

APPENDIX F

DATA VALIDATION SUMMARY REPORTS

***Data Validation Summary Report
For Analytical Data Collected by IT at the
Ground Scar with Small Pit North of Landfill No. 3, Parcel 155(7)
Fort McClellan, Calhoun County, Alabama***

1.0 Introduction

Level III data validation was performed on 100% of the environmental samples collected at Parcel GSBP-155. The analytical data consisted of one sample delivery group (SDG), CK815501, which was analyzed by Quanterra Incorporated. The chemical parameters for which the samples were analyzed, are identified below:

Parameter (Method)
Volatile Organic Compounds by SW 846 8260B
Semivolatile Organic Compounds by SW 846-8270C
TAL Metals by SW 846 6010B/7470
Organochlorine Pesticides by SW 846 8081A
PCBs by SW 846 8082
Nitroaromatics and Nitramines by SW 846 8330

2.0 Procedures

The sample data were validated following the logic identified in the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines For Inorganic Data Review (February 1994)* and *USEPA Contract Laboratory Program National Functional Guidelines For Organic Review (October 1999)* for all areas except Blanks. *Region III Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses (April 1993)* and *Region III National Functional Guidelines for Organic Data Review (June 1992)* were applied to the areas associated with blank contamination. Specific quality control (QC) criteria, as identified in the Quality Assurance Plan (QAP), analytical methods, and laboratory Standard Operating Procedures (SOP's) were applied to all sample results. As the result of the use of Update III SW846 test methods for the analytical data and the application of the CLP guidelines during the validation process, there were instances where specific QC requirements for all target compounds were not defined. This primarily occurred in the organic, Gas Chromatograph (GC) and Gas Chromatograph/Mass Spectra (GC/MS) calibration areas and is due to the fact that the analytical methods are "performance-based," and allows the use of average calibration responses, in lieu of, individual responses, which are defined by CLP protocol. In light of applying CLP guidelines to SW846 methods and evaluating the usability of the data during the validation process, specific QC criteria were determined to address all target compounds and are identified in this report for each parameter, as well as, in the validation checklists, which function as worksheets. All completed validation checklists are on file in the Knoxville office.

not addressed by the CLP and Region III guidelines, the validation was based on the method requirements (i. e. SW846, CFR, SOPs) and technical judgement, following the logic of the CLP validation guidelines.

3.0 Summary of Data Validation Findings

The overall quality of the data was determined to be acceptable. The only rejected data ("R" qualified) was due to "poor performing" volatile compounds (ketones, some halogenated hydrocarbons, e.g.), which exhibited poor calibration responses in the associated calibration data, and samples that were reanalyzed and have more than one result reported. The R qualifier was assigned to the samples with more than one set of results to indicate that a given result should not be used to characterize a particular constituent or an analysis for a given sample.

Individual validation reports have been prepared for each parameter and the overall results of the validation findings are summarized in this report. The validation qualifier data entry verification report (Attachment A) is also provided. This is a complete listing of all of the analytical results and the validation qualifiers assigned for Parcel GSBP-155. It also identifies the "use" column, which indicates which result to use in the event of a reanalysis. A listing of the validation qualifiers and the reason codes, along with their definitions are also found in Attachment A. The following section highlights the key findings of the data validation for each analysis.

4.0 Analysis-Specific Data Validation Summaries

4.1 Volatile Organic Compounds by SW 846 8260B

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria, with the exception of the following:

The following demonstrated RRFs below 0.1 in the ICAL and/or CCAL: Non-detect results were rejected (qualified 'R'); Positive results were estimated (qualified 'J'); Unless 'B' qualified due to blank contamination.

SDG Number	Sample Number	Compound	Validation Qualifier
CK815501	BQ3042, BQ3043, BQ3044	Bromochloromethane, Acetone, 1,2-Dibromo-3-Chloropropane, 2-Butanone, Dibromomethane	R/B

- 'B' qualifiers assigned to designate blank contamination, which are identification qualifiers, take precedence over estimating qualifiers, assigned due to quantitation.
- 'R' qualifiers take precedence over estimating qualifiers.

The following exhibited individual ICAL %RSD>30 and/or CCAL %D>20: Non-detect results were estimated (qualified 'UJ'); Unless rejected (qualified 'R') due to ICAL/CCAL minimum RRF criteria not met; Positive results were estimated (qualified 'J'); Unless 'B' qualified due to blank contamination.

SDG Number	Sample Number	Compound	Validation Qualifier
CK815501	BQ3042, BQ3043, BQ3044	Methylene Chloride, 1,2,3-trichloropropane	UJ
CK815501	BQ3042	Acetone, 2-Butanone, 1,2-Dichloroethane, Dibromomethane, Bromodichloromethane, Cis-1,3-Dichloropropene, 2-Hexanone, Naphthalene, Chlorodibromomethane, 1,2-Dibromo-3-Chloropropane, 1,2,3-Trichlorobenzene, 1,1,2,2-Tetrachloroethane	R/UJ

- 'R' qualifiers take precedence over estimating qualifiers.

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses, trip, and method blanks was applied to all sample results. All were found to be acceptable, with the exception of the following:

SDG Number	Sample Number	Compound	Blank Contaminant	Validation Qualifier
CK815501	BQ3042, BQ3043, BQ3044	Chloromethane	Trip Blank	B
CK815501	BQ3044	Acetone	Method, ER, and Trip Blank	B

Surrogate Recoveries

All surrogate recoveries are within acceptable QC ranges for the surrogates applied.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Internal Standards

All internal standards met QC criteria.

Field Duplicates

Original and field duplicate results were evaluated and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as 'J,' were qualified as estimated 'J' unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected 'R.'

4.2 Semivolatile Organic Compounds by SW 846 8270C

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria, with the exception of the following:

The following exhibited individual ICAL %RSD>30 and/or CCAL %D>20: Non-detect results were estimated (qualified 'UJ'); Unless rejected (qualified 'R') due to ICAL/CCAL minimum RRF criteria not met; Positive results were estimated (qualified 'J'); Unless 'B' qualified due to blank contamination.

SDG Number	Sample Number	Compound	Validation Qualifier
CK815501	BQ3042	2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol	UJ

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries are within acceptable QC ranges for the surrogates applied.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Internal Standards

All internal standards met QC criteria with the exception of the following:

SDG Number	Sample Number	Compound	Validation Qualifier
CK815501	BQ3044	All associated with Internal Standards 1,2,3 and 4	UJ

Field Duplicates

Original and field duplicate results were evaluated and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as 'J,' were qualified as estimated 'J' unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected 'R.'

4.3 Metals by SW-846 6010B/7471A/7470A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibrations

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse, calibration, and method blanks was applied to all sample results. All were found to be acceptable, with the exception of the following:

SDG Number	Sample Number	Compound	Blank Contaminant	Validation Qualifier
CK815501	BQ3042, BQ3043, BQ3044	Thallium, Mercury	Method/ER/ICB/CCB	B
CK815501	BQ3043, BQ3044	Sodium, Nickel, Beryllium	ICB/CCB	B

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample (LCS)

LCS was performed for the project samples and all QC criteria were met.

Interference Check Sample (ICS)

All ICS % recoveries were acceptable. All QC criteria were met.

ICP Serial Dilutions

All QC criteria were met for the serial dilutions associated with the project samples.

Field Duplicates

Original and field duplicate results were evaluated and all QC criteria were met.

Sample Quantitation

Results quantitated between the IDL and the RL ("B" flagged by the laboratory) were qualified as estimated (J).

4.4 Organochlorine Pesticides by SW 846 8081A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries are within acceptable QC ranges for the surrogates applied.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as 'J,' were qualified as estimated 'J' unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected 'R.' Heptachlor results for sample BQ3042, were estimated (qualified "J"), due to the %D > 25% between the original and second column.

4.5 PCBs by SW 846 8082

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries are within acceptable QC ranges for the surrogates applied.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as 'J,' were qualified as estimated 'J' unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected 'R.'

4.6 Nitroaromatics and Nitramines by SW 846 8330

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries are within acceptable QC ranges for the surrogates applied.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as 'J,' were qualified as estimated 'J' unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected 'R.'

ATTACHMENT A

Validation Qualifiers

- U Not detected. The compound/analyte was analyzed for, but not detected above the associated reporting limit.
- J The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed.
- B The concentration reported was detected significantly above the levels reported in the associated equipment rinse samples and/or laboratory method and trip blanks. (5X/10X Rule was applied).
- R The reported sample results are rejected due to the following:

 - 1. Severe deficiencies in the supporting quality control data.
 - 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data.
 - 3. The presence or absence of the constituent cannot be verified based on the data provided.
 - 4. To indicate not to use a particular result in the event of a reanalysis.
- UJ The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the “nondetect” may be inaccurate or imprecise. The nondetect result should be estimated.

Validation Reason Code Definitions

Reason Code	Description
01	Sample received outside of 4+/-2 degrees Celsius
01A	Improper sample preservation
02	Holding time exceeded
02A	Extraction
02B	Analysis
03	Instrument performance – outside criteria
03A	BFB
03B	DFTPP
03C	DDT and/or Endrin % breakdown exceeds criteria
03D	Retention time windows
03E	Resolution
04	Initial calibration results outside specified criteria
04A	Compound mean RRF QC criteria not met
04B	Individual % RSD criteria not met
04C	Correlation coefficient >0.995
05	Continuing calibration results outside specified criteria
05A	Compound mean RRF QC criteria not met
05B	Compound % D QC criteria not met
06	Result qualified as a result of the 5x/10x blank correction
06A	Method or preparation blank
06B	ICB or CCB
06C	ER
06D	TB
06E	FB
07	Surrogate recoveries outside control limits
07A	Sample
07B	Associated method blank or LCS
08	MS/MSD/Duplicate results outside criteria
08A	MS and/or MSD recovery not within control limits (accuracy)
08B	% RPD outside acceptance criteria (precision)
09	Post digestion spike outside criteria (GFAA)
10	Internal standards outside specified control limits
10A	Recovery
10B	Retention time
11	Laboratory control sample recoveries outside specified limits
11A	Recovery
11B	% RPD (if run in duplicate)
12	Interference check standard
13	Serial dilution
14	Tentatively identified compounds
15	Quantitation
16	Multiple results available; alternate analysis preferred
17	Field duplicate RPD criteria is exceeded
18	Percent difference between original and second column exceeds QC criteria
19	Professional judgement was used to qualify the data
20	Pesticide clean-up checks
21	Target compound identification
22	Radiological calibration
23	Radiological quantitation
24	Reported result and/or lab qualifier revised to reflect validation findings

Validation Quarter Data Entry Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:	Fit REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
											1	2	3	4			
003																	
15-SS01A		1	2,2-BIS(P-CHLOROPHENYL)-1,1,1-TRICHLOROETHANE	.001	mg/kg	U	N Y		UJ	LT	05B					EFM3S*37	00:01
			2,2-BIS(P-CHLOROPHENYL)-1,1-DICHLOROETHENE	.00067	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			ALDRIN	.00067	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			ALPHA-CHLORDANE	.00067	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			ALPHA-HEXACHLOROCYCLOHEXANE	.00067	mg/kg	U	N Y		UJ	LT	05B					EFM3S*37	00:01
			BETA-HEXACHLOROCYCLOHEXANE	.00067	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			CHLORDANE	.0033	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			DELTA-HEXACHLOROCYCLOHEXANE	.00067	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			DIELDRIN	.00067	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			ENDOSULFAN I	.00067	mg/kg	U	N Y		UJ	LT	05B					EFM3S*37	00:01
			ENDOSULFAN II	.00073	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			ENDOSULFAN SULFATE	.00087	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			ENDRIN	.00067	mg/kg	U	N Y		UJ	LT	05B					EFM3S*37	00:01
			ENDRIN ALDEHYDE	.00087	mg/kg	U	N Y		UJ	LT	04					EFM3S*37	00:01
			GAMMA-CHLORDANE	.00067	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			HEPTACHLOR	.00067	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			HEPTACHLOR EPOXIDE	.00067	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			LINDANE	.00067	mg/kg	U	N Y		UJ	LT	05B					EFM3S*37	00:01
			METHOXYCHLOR	.0012	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			PCB 1016	.013	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			PCB 1221	.013	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			PCB 1232	.013	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			PCB 1242	.013	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			PCB 1248	.013	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			PCB 1254	.013	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			PCB 1260	.013	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			PPDDD	.001	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
			TOXAPHENE	.067	mg/kg	U	N Y		U	LT						EFM3S*37	00:01
004																	
15-SS01B		1	2,2-BIS(P-CHLOROPHENYL)-1,1,1-TRICHLOROETHANE	.001	mg/kg	U	N Y		UJ	LT	05B					EFM3S*38	00:01
			2,2-BIS(P-CHLOROPHENYL)-1,1-DICHLOROETHENE	.00067	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
			ALDRIN	.00067	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
			ALPHA-CHLORDANE	.00067	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
			ALPHA-HEXACHLOROCYCLOHEXANE	.00067	mg/kg	U	N Y		UJ	LT	05B					EFM3S*38	00:01
			BETA-HEXACHLOROCYCLOHEXANE	.00067	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
			CHLORDANE	.0033	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
			DELTA-HEXACHLOROCYCLOHEXANE	.00067	mg/kg	U	N Y		U	LT						EFM3S*38	00:01

VALIDATION QUANTITATIVE DATA ENTRY VERIFICATION

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
									Qlfr	Code:	1	2	3	4		
004																
15-SS01B	1	DIELDRIN		.00067	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		ENDOSULFAN I		.00067	mg/kg	U	N	Y	UJ	LT	05B				EFM3S*38	00:01
		ENDOSULFAN II		.00073	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		ENDOSULFAN SULFATE		.00087	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		ENDRIN		.00067	mg/kg	U	N	Y	UJ	LT	05B				EFM3S*38	00:01
		ENDRIN ALDEHYDE		.00087	mg/kg	U	N	Y	UJ	LT	04				EFM3S*38	00:01
		GAMMA-CHLORDANE		.00067	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		HEPTACHLOR		.00067	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		HEPTACHLOR EPOXIDE		.00067	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		LINDANE		.00067	mg/kg	U	N	Y	UJ	LT	05B				EFM3S*38	00:01
		METHOXYCHLOR		.0012	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		PCB 1016		.013	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		PCB 1221		.013	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		PCB 1232		.013	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		PCB 1242		.013	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		PCB 1248		.013	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		PCB 1254		.013	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		PCB 1260		.013	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		PPDDD		.001	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
		TOXAPHENE		.067	mg/kg	U	N	Y	U	LT					EFM3S*38	00:01
005																
15-SS02B	1	2,2-BIS(P-CHLOROPHENYL)-1,1,1-TRICHLOROETHANE		.001	mg/kg	U	N	Y	UJ	LT	05B				EFM3S*40	00:01
		2,2-BIS(P-CHLOROPHENYL)-1,1-DICHLOROETHENE		.00067	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		ALDRIN		.00067	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		ALPHA-CHLORDANE		.00067	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		ALPHA-HEXACHLOROCYCLOHEXANE		.00067	mg/kg	U	N	Y	UJ	LT	05B				EFM3S*40	00:01
		BETA-HEXACHLOROCYCLOHEXANE		.00067	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		CHLORDANE		.0033	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		DELTA-HEXACHLOROCYCLOHEXANE		.00067	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		DIELDRIN		.00067	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		ENDOSULFAN I		.00067	mg/kg	U	N	Y	UJ	LT	05B				EFM3S*40	00:01
		ENDOSULFAN II		.00073	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		ENDOSULFAN SULFATE		.00087	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		ENDRIN		.00067	mg/kg	U	N	Y	UJ	LT	05B				EFM3S*40	00:01
		ENDRIN ALDEHYDE		.00087	mg/kg	U	N	Y	UJ	LT	04				EFM3S*40	00:01
		GAMMA-CHLORDANE		.00067	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		HEPTACHLOR		.00067	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01
		HEPTACHLOR EPOXIDE		.00067	mg/kg	U	N	Y	U	LT					EFM3S*40	00:01

Validation Quarter Data Entry Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
									Qlfr	Code:	1	2	3	4		
005																
15-SS02B	1	LINDANE		.00067	mg/kg	U	N Y		UJ	LT	05B				EFM3S*40	00:01
		METHOXYCHLOR		.0012	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
		PCB 1016		.013	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
		PCB 1221		.013	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
		PCB 1232		.013	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
		PCB 1242		.013	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
		PCB 1248		.013	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
		PCB 1254		.013	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
		PCB 1260		.013	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
		PPDDD		.001	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
		TOXAPHENE		.067	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
006																
15-SS03	1	2,2-BIS(P-CHLOROPHENYL)-1,1,1-TRICHLOROETHANE		.001	mg/kg	U	N Y		UJ	LT	05B				EFM3S*41	00:01
		2,2-BIS(P-CHLOROPHENYL)-1,1-DICHLOROETHENE		.00067	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		ALDRIN		.00067	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		ALPHA-CHLORDANE		.00067	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		ALPHA-HEXAChLOROCYCLOHEXANE		.00067	mg/kg	U	N Y		UJ	LT	05B				EFM3S*41	00:01
		BETA-HEXAChLOROCYCLOHEXANE		.00067	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		CHLORDANE		.0033	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		DELTA-HEXAChLOROCYCLOHEXANE		.00067	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		DIELDRIN		.00067	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		ENDOSULFAN I		.00067	mg/kg	U	N Y		UJ	LT	05B				EFM3S*41	00:01
		ENDOSULFAN II		.00073	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		ENDOSULFAN SULFATE		.00087	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		ENDRIN		.00067	mg/kg	U	N Y		UJ	LT	05B				EFM3S*41	00:01
		ENDRIN ALDEHYDE		.00087	mg/kg	U	N Y		UJ	LT	04				EFM3S*41	00:01
		GAMMA-CHLORDANE		.00067	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		HEPTACHLOR		.00067	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		HEPTACHLOR EPOXIDE		.00067	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		LINDANE		.00067	mg/kg	U	N Y		UJ	LT	05B				EFM3S*41	00:01
		METHOXYCHLOR		.0012	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		PCB 1016		.013	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		PCB 1221		.013	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		PCB 1232		.013	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		PCB 1242		.013	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		PCB 1248		.013	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		PCB 1254		.013	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
		PCB 1260		.013	mg/kg	U	N Y		U	LT					EFM3S*41	00:01

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
									Qlfr	Code:	1	2	3	4		
006																
15-SS03		1	PPDDD	.001	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
			TOXAPHENE	.067	mg/kg	U	N Y		U	LT					EFM3S*41	00:01
007																
15-SS04		1	2,2-BIS(P-CHLOROPHENYL)-1,1,1-TRICHLOROETHANE	.001	mg/kg	U	N Y		UJ	LT	05B				EFM3S*42	00:01
			2,2-BIS(P-CHLOROPHENYL)-1,1-DICHLOROETHENE	.00163	mg/kg		Y Y								EFM3S*42	00:01
			ALDRIN	.00067	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			ALPHA-CHLORDANE	.00067	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			ALPHA-HEXAChLOROCYCLOHEXANE	.00067	mg/kg	U	N Y		UJ	LT	05B				EFM3S*42	00:01
			BETA-HEXAChLOROCYCLOHEXANE	.00067	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			CHLORDANE	.0033	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			DELTA-HEXAChLOROCYCLOHEXANE	.00067	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			DIELDRIN	.00067	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			ENDOSULFAN I	.00067	mg/kg	U	N Y		UJ	LT	05B				EFM3S*42	00:01
			ENDOSULFAN II	.00073	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			ENDOSULFAN SULFATE	.00087	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			ENDRIN	.00067	mg/kg	U	N Y		UJ	LT	05B				EFM3S*42	00:01
			ENDRIN ALDEHYDE	.00087	mg/kg	U	N Y		UJ	LT	04				EFM3S*42	00:01
			GAMMA-CHLORDANE	.00067	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			HEPTACHLOR	.00067	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			HEPTACHLOR EPOXIDE	.00067	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			LINDANE	.00067	mg/kg	U	N Y		UJ	LT	05B				EFM3S*42	00:01
			METHOXYCHLOR	.0012	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			PCB 1016	.013	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			PCB 1221	.013	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			PCB 1232	.013	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			PCB 1242	.013	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			PCB 1248	.013	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			PCB 1254	.013	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			PCB 1260	.013	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			PPDDD	.001	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			TOXAPHENE	.067	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
008																
15-SS01A		1	(4-CHLORO-2-METHYLPHENOXY)ACETIC ACID	.2	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
			2,4-D	.00998	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
			2,4-DB	.00998	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
			245T	.00998	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
			245TP	.00998	mg/kg	U	N Y		U	LT					EFM3S*37	00:01

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
									Qlfr	Code:	1	2	3	4		
008																
15-SS01A	1	DALAPON		.00998	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		DICAMBA		.00998	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		DICHLOROPROP		.00998	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		DINOSEB		.00998	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		MCPP		.2	mg/kg	U	N Y	R	LT	11A 05B					EFM3S*37	00:01
15-SS01A	1	1,3,5-TRINITROBENZENE		.102	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		1,3-DINITROBENZENE		.102	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2,4,6-TRINITROTOLUENE		.102	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2,4-DINITROTOLUENE		.102	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2,6-DINITROTOLUENE		.102	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2-AMINO-4,6-DINITROTOLUENE		.102	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2-NITROTOLUENE		.203	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		3-NITROTOLUENE		.203	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		4-AMINO-2,6-DINITROTOLUENE		.102	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		4-NITROTOLUENE		.203	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		CYCLOTETRAMETHYLENETETRANITRAMINE		.203	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		NITROBENZENE		.102	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		RDX		.203	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		TETRYL		.203	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
009																
15-SS02A	1	(4-CHLORO-2-METHYLPHENOXY)ACETIC ACID		.2	mg/kg	U	N Y		U	LT					EFM3S*39	00:01
		2,4-D		.00999	mg/kg	U	N Y		U	LT					EFM3S*39	00:01
		2,4-DB		.00999	mg/kg	U	N Y		U	LT					EFM3S*39	00:01
		245T		.00999	mg/kg	U	N Y		U	LT					EFM3S*39	00:01
		245TP		.00999	mg/kg	U	N Y		U	LT					EFM3S*39	00:01
		DALAPON		.00999	mg/kg	U	N Y		U	LT					EFM3S*39	00:01
		DICAMBA		.00999	mg/kg	U	N Y		U	LT					EFM3S*39	00:01
		DICHLOROPROP		.00999	mg/kg	U	N Y		U	LT					EFM3S*39	00:01
		DINOSEB		.00999	mg/kg	U	N Y		U	LT					EFM3S*39	00:01
		MCPP		.2	mg/kg	U	N Y	R	LT	11A 05B					EFM3S*39	00:01
15-SS01B	1	1,3,5-TRINITROBENZENE		.1	mg/kg	U	N Y		U	LT					EFM3S*38	00:01
		1,3-DINITROBENZENE		.1	mg/kg	U	N Y		U	LT					EFM3S*38	00:01
		2,4,6-TRINITROTOLUENE		.1	mg/kg	U	N Y		U	LT					EFM3S*38	00:01
		2,4-DINITROTOLUENE		.1	mg/kg	U	N Y		U	LT					EFM3S*38	00:01
		2,6-DINITROTOLUENE		.1	mg/kg	U	N Y		U	LT					EFM3S*38	00:01
		2-AMINO-4,6-DINITROTOLUENE		.1	mg/kg	U	N Y		U	LT					EFM3S*38	00:01
		2-NITROTOLUENE		.2	mg/kg	U	N Y		U	LT					EFM3S*38	00:01
		3-NITROTOLUENE		.2	mg/kg	U	N Y		U	LT					EFM3S*38	00:01

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
009																
15-SS01B	1	4-AMINO-2,6-DINITROTOLUENE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		4-NITROTOLUENE	.2	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		CYCLOTETRAMETHYLENETETRANITRAMINE	.2	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		NITROBENZENE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		RDX	.2	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		TETRYL	.2	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
010																
15-SS03	1	(4-CHLORO-2-METHYLPHENOXY)ACETIC ACID	.547	mg/kg	C	Y Y		J		07A					EFM3S*41	00:01
		2,4-D	.00999	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		2,4-DB	.00999	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		245T	.00999	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		245TP	.00999	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		DALAPON	.00999	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		DICAMBA	.00999	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		DICHLOROPROP	.195	mg/kg	C	Y Y		B		07A 06A					EFM3S*41	00:01
		DINOSEB	.00999	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		MCPP	.2	mg/kg	U	N Y		R	LT	11A 05B					EFM3S*41	00:01
15-SS02A	1	1,3,5-TRINITROBENZENE	.101	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		1,3-DINITROBENZENE	.101	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2,4,6-TRINITROTOLUENE	.101	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2,4-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2,6-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2-AMINO-4,6-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2-NITROTOLUENE	.202	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		3-NITROTOLUENE	.202	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		4-AMINO-2,6-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		4-NITROTOLUENE	.202	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		CYCLOTETRAMETHYLENETETRANITRAMINE	.202	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		NITROBENZENE	.101	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		RDX	.202	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		TETRYL	.202	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
011																
15-SS04	1	(4-CHLORO-2-METHYLPHENOXY)ACETIC ACID	.2	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		2,4-D	.00999	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		2,4-DB	.00999	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		245T	.00999	mg/kg	U	N Y		U	LT						EFM3S*42	00:01

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Analysis Time:	
											1	2	3	4	Lab Sample:	
011																
15-SS04		1	245TP	.00999	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			DALAPON	.00999	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			DICAMBA	.00999	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			DICHLOROPROP	.00999	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			DINOSEB	.00999	mg/kg	U	N Y		U	LT					EFM3S*42	00:01
			MCPP	.2	mg/kg	U	N Y		R	LT	11A 05B				EFM3S*42	00:01
15-SS02B		1	1,3,5-TRINITROBENZENE	.101	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			1,3-DINITROBENZENE	.101	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			2,4,6-TRINITROTOLUENE	.101	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			2,4-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			2,6-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			2-AMINO-4,6-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			2-NITROTOLUENE	.202	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			3-NITROTOLUENE	.202	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			4-AMINO-2,6-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			4-NITROTOLUENE	.202	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			CYCLOTETRAMETHYLENETETRANITRAMINE	.202	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			NITROBENZENE	.101	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			RDX	.202	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
			TETRYL	.202	mg/kg	U	N Y		U	LT					EFM3S*40	00:01
15-SS02A		1	2,2-BIS(P-CHLOROPHENYL)-1,1,1-TRICHLOROETHANE	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			2,2-BIS(P-CHLOROPHENYL)-1,1-DICHLOROETHENE	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			ALDRIN	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			ALPHA-CHLORDANE	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			ALPHA-HEXACHLOROCYCLOHEXANE	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			BETA-HEXACHLOROCYCLOHEXANE	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			CHLORDANE	.0036	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			DELTA-HEXACHLOROCYCLOHEXANE	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			DIELDRIN	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			ENDOSULFAN I	.00074	mg/kg	U	N Y		UJ	LT	02A 05B				EFM3S*39	00:01
			ENDOSULFAN II	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			ENDOSULFAN SULFATE	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			ENDRIN	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			ENDRIN ALDEHYDE	.00074	mg/kg	U	N Y		UJ	LT	02A 04				EFM3S*39	00:01
			GAMMA-CHLORDANE	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			HEPTACHLOR	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			HEPTACHLOR EPOXIDE	.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
			LINDANE	.00074	mg/kg	U	N Y		UJ	LT	02A 04				EFM3S*39	00:01

+ Initiation Quality Data Entry + Initiation

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
011																
15-SS02A	1	METHOXYCHLOR		.00074	mg/kg	U	N Y		UJ	LT	02A	05B			EFM3S*39	00:01
		PCB 1016		.014	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
		PCB 1221		.014	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
		PCB 1232		.014	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
		PCB 1242		.014	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
		PCB 1248		.014	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
		PCB 1254		.014	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
		PCB 1260		.014	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
		PPDDD		.00074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
		TOXAPHENE		.074	mg/kg	U	N Y		UJ	LT	02A				EFM3S*39	00:01
15-SS01A	1	1,2,4-TRICHLOROBENZENE		.1	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		1,2-DICHLOROBENZENE		.07	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		1,3-DICHLOROBENZENE		.07	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		1,4-DICHLOROBENZENE		.07	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2,4,5-TRICHLOROPHENOL		.3	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2,4,6-TRICHLOROPHENOL		.3	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2,4-DICHLOROPHENOL		.14	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2,4-DIMETHYLPHENOL		.14	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2,4-DINITROPHENOL		1.3	mg/kg	U	N Y		UJ	LT	05B				EFM3S*37	00:01
		2,4-DINITROTOLUENE		.14	mg/kg	U	N Y		UJ	LT	05B				EFM3S*37	00:01
		2,6-DINITROTOLUENE		.14	mg/kg	U	N Y		UJ	LT	05B				EFM3S*37	00:01
		2-CHLORONAPHTHALENE		.07	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2-CHLOROPHENOL		.14	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2-METHYLNAPHTHALENE		.1	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2-NITROANILINE		.3	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		2-NITROPHENOL		.14	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		3,3'-DICHLOROBENZIDINE		.5	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		3-METHYL-4-CHLOROPHENOL		.14	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		3-NITROANILINE		.3	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		4,6-DINITRO-2-CRESOL		1	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		4-BROMOPHENYL PHENYL ETHER		.14	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		4-CHLOROANILINE		.3	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		4-CHLOROPHENYL PHENYL ETHER		.1	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		4-NITROANILINE		.3	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		4-NITROPHENOL		.5	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		ACENAPHTHENE		.07	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		ACENAPHTHYLENE		.07	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		ANTHRACENE		.07	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		BENZOIC ACID		1.4	mg/kg	U	N Y		U	LT					EFM3S*37	00:01
		BENZO[A]ANTHRACENE		.1	mg/kg	U	N Y		U	LT					EFM3S*37	00:01

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Analysis Time:	
											1	2	3	4	Lab Sample:	
011																
15-SS01A	1	BENZO[A]PYRENE	.14	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		BENZO[B]FLUORANTHENE	.1	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		BENZO[DEF]PHENANTHRENE	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		BENZO[GHI]PERYLENE	.16	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		BENZO[K]FLUORANTHENE	.1	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		BENZYL ALCOHOL	.14	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		BIS(2-CHLOROETHOXY) METHANE	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		BIS(2-CHLOROETHYL) ETHER	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		BIS(2-CHLOROISOPROPYL) ETHER	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		BIS(2-ETHYLHEXYL) PHTHALATE	.051	mg/kg	J	N Y		B	LT	15 06A 24	EFM3S*37		00:01			
		BUTYLBENZYL PHTHALATE	.1	mg/kg	U	N Y		UJ	LT	05B	EFM3S*37		00:01			
		CHRYSENE	.1	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		DI-N-BUTYL PHTHALATE	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		DI-N-OCTYL PHTHALATE	.14	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		DIBENZOFURAN	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		DIBENZ[AH]ANTHRACENE	.16	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		DIETHYL PHTHALATE	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		DIMETHYL PHTHALATE	.1	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		FLUORANTHENE	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		FLUORENE	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		HEXAChLOROBENZENE	.1	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		HEXAChLOROBUTADIENE	.14	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		HEXAChLOROCYCLOPENTADIENE	1	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		HEXAChLOROETHANE	.1	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		INDENO[1,2,3-C,D]PYRENE	.16	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		ISOPHORONE	.14	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		N-NITROSODI-N-PROPYLAMINE	.1	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		N-NITROSODIPHENYLAMINE	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		NAPHTHALENE	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		NITROBENZENE	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		O-CRESOL	.14	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		P-CRESOL	.14	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		PENTACHLOROPHENOL	.5	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		PHENANTHRENE	.07	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
		PHENOL	.14	mg/kg	U	N Y		U	LT		EFM3S*37		00:01			
012																
15-SS03	1	1,3,5-TRINITROBENZENE	.101	mg/kg	U	N Y		U	LT		EFM3S*41		00:01			
		1,3-DINITROBENZENE	.101	mg/kg	U	N Y		U	LT		EFM3S*41		00:01			
		2,4,6-TRINITROTOLUENE	.101	mg/kg	U	N Y		U	LT		EFM3S*41		00:01			
		2,4-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT		EFM3S*41		00:01			

✓ Attenuation Quantifier Data Entry ✓ Verification

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Analysis Time:	
											1	2	3	4	Lab Sample:	
012																
15-SS03	1	2,6-DINITROTOLUENE	.101	mg/kg	U	N	Y		U	LT					EFM3S*41	00:01
		2-AMINO-4,6-DINITROTOLUENE	.101	mg/kg	U	N	Y		U	LT					EFM3S*41	00:01
		2-NITROTOLUENE	.202	mg/kg	U	N	Y		U	LT					EFM3S*41	00:01
		3-NITROTOLUENE	.202	mg/kg	U	N	Y		U	LT					EFM3S*41	00:01
		4-AMINO-2,6-DINITROTOLUENE	.101	mg/kg	U	N	Y		U	LT					EFM3S*41	00:01
		4-NITROTOLUENE	.202	mg/kg	U	N	Y		U	LT					EFM3S*41	00:01
		CYCLOTETRAMETHYLENETETRANITRAMINE	.202	mg/kg	U	N	Y		U	LT					EFM3S*41	00:01
		NITROBENZENE	.101	mg/kg	U	N	Y		U	LT					EFM3S*41	00:01
		RDX	.202	mg/kg	U	N	Y		U	LT					EFM3S*41	00:01
		TETRYL	.202	mg/kg	U	N	Y		U	LT					EFM3S*41	00:01
15-SS02B	1	1,2,4-TRICHLOROBENZENE	.1	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		1,2-DICHLOROBENZENE	.07	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		1,3-DICHLOROBENZENE	.07	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		1,4-DICHLOROBENZENE	.07	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		2,4,5-TRICHLOROPHENOL	.3	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		2,4,6-TRICHLOROPHENOL	.3	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		2,4-DICHLOROPHENOL	.14	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		2,4-DIMETHYLPHENOL	.14	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		2,4-DINITROPHENOL	1.3	mg/kg	U	N	Y		UJ	LT	05B				EFM3S*40	00:01
		2,4-DINITROTOLUENE	.14	mg/kg	U	N	Y		UJ	LT	05B				EFM3S*40	00:01
		2,6-DINITROTOLUENE	.14	mg/kg	U	N	Y		UJ	LT	05B				EFM3S*40	00:01
		2-CHLORONAPHTHALENE	.07	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		2-CHLOROPHENOL	.14	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		2-METHYLNAPHTHALENE	.1	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		2-NITROANILINE	.3	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		2-NITROPHENOL	.14	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		3,3'-DICHLOROBENZIDINE	.5	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		3-METHYL-4-CHLOROPHENOL	.14	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		3-NITROANILINE	.3	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		4,6-DINITRO-2-CRESOL	1	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		4-BROMOPHENYL PHENYL ETHER	.14	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		4-CHLOROANILINE	.3	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		4-CHLOROPHENYL PHENYL ETHER	.1	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		4-NITROANILINE	.3	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		4-NITROPHENOL	.5	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		ACENAPHTHENE	.07	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		ACENAPHTHYLENE	.07	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		ANTHRACENE	.07	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01
		BENZOIC ACID	1.4	mg/kg	U	N	Y		U	LT					EFM3S*40	00:01

Variation Quantitative Data Entry Verification

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Analysis Time:	
											1	2	3	4	Lab Sample:	
012																
15-SS02B	1	BENZO[A]ANTHRACENE	.1	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		BENZO[A]PYRENE	.14	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		BENZO[B]FLUORANTHENE	.1	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		BENZO[DEF]PHENANTHRENE	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		BENZO[GHJ]PERYLENE	.16	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		BENZO[K]FLUORANTHENE	.1	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		BENZYL ALCOHOL	.14	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		BIS(2-CHLOROETHOXY) METHANE	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		BIS(2-CHLOROETHYL) ETHER	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		BIS(2-CHLOROISOPROPYL) ETHER	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		BIS(2-ETHYLHEXYL) PHTHALATE	.034	mg/kg	J	N Y	B	LT	15	06A 24	EFM3S*40		00:01			
		BUTYLBENZYL PHTHALATE	.1	mg/kg	U	N Y	UJ	LT	05B		EFM3S*40		00:01			
		CHRYSENE	.1	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		DI-N-BUTYL PHTHALATE	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		DI-N-OCTYL PHTHALATE	.14	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		DIBENZOFURAN	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		DIBENZ[AH]ANTHRACENE	.16	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		DIETHYL PHTHALATE	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		DIMETHYL PHTHALATE	.1	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		FLUORANTHENE	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		FLUORENE	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		HEXACHLOROBENZENE	.1	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		HEXACHLOROBUTADIENE	.14	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		HEXACHLOROCYCLOPENTADIENE	1	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		HEXACHLOROETHANE	.1	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		INDENO[1,2,3-C,D]PYRENE	.16	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		ISOPHORONE	.14	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		N-NITROSODI-N-PROPYLAMINE	.1	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		N-NITROSODIPHENYLAMINE	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		NAPHTHALENE	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		NITROBENZENE	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		O-CRESOL	.14	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		P-CRESOL	.14	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		PENTACHLOROPHENOL	.5	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		PHENANTHRENE	.07	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
		PHENOL	.14	mg/kg	U	N Y	U	LT			EFM3S*40		00:01			
013																
15-SS04	1	1,3,5-TRINITROBENZENE	.101	mg/kg	U	N Y	U	LT			EFM3S*42		00:01			
		1,3-DINITROBENZENE	.101	mg/kg	U	N Y	U	LT			EFM3S*42		00:01			
		2,4,6-TRINITROTOLUENE	.101	mg/kg	U	N Y	U	LT			EFM3S*42		00:01			

Validation Quantitative Data Entry Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
013																
15-SS04	1	2,4-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		2,6-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		2-AMINO-4,6-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		2-NITROTOLUENE	.202	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		3-NITROTOLUENE	.202	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		4-AMINO-2,6-DINITROTOLUENE	.101	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		4-NITROTOLUENE	.202	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		CYCLOTETRAMETHYLENETETRANITRAMINE	.202	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		NITROBENZENE	.101	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		RDX	.202	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		TETRYL	.202	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
15-SS03	1	1,2,4-TRICHLOROBENZENE	.1	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		1,2-DICHLOROBENZENE	.07	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		1,3-DICHLOROBENZENE	.07	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		1,4-DICHLOROBENZENE	.07	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		2,4,5-TRICHLOROPHENOL	.3	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		2,4,6-TRICHLOROPHENOL	.3	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		2,4-DICHLOROPHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		2,4-DIMETHYLPHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		2,4-DINITROPHENOL	.13	mg/kg	U	N Y		UJ	LT	05B					EFM3S*41	00:01
		2,4-DINITROTOLUENE	.14	mg/kg	U	N Y		UJ	LT	05B					EFM3S*41	00:01
		2,6-DINITROTOLUENE	.14	mg/kg	U	N Y		UJ	LT	05B					EFM3S*41	00:01
		2-CHLORONAPHTHALENE	.07	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		2-CHLOROPHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		2-METHYLNAPHTHALENE	.1	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		2-NITROANILINE	.3	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		2-NITROPHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		3,3'-DICHLOROBENZIDINE	.5	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		3-METHYL-4-CHLOROPHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		3-NITROANILINE	.3	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		4,6-DINITRO-2-CRESOL	1	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		4-BROMOPHENYL PHENYL ETHER	.14	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		4-CHLOROANILINE	.3	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		4-CHLOROPHENYL PHENYL ETHER	.1	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		4-NITROANILINE	.3	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		4-NITROPHENOL	.5	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		ACENAPHTHENE	.07	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		ACENAPHTHYLENE	.07	mg/kg	U	N Y		U	LT						EFM3S*41	00:01
		ANTHRACENE	.07	mg/kg	U	N Y		U	LT						EFM3S*41	00:01

Validation Quarter Data Entry Verification

Run Date: July 30, 2001

Fort McClellan

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
013																
15-SS03	1	BENZOIC ACID		1.4	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BENZO[A]ANTHRACENE		.1	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BENZO[A]PYRENE		.14	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BENZO[B]FLUORANTHENE		.1	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BENZO[DEF]PHENANTHRENE		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BENZO[GHI]PERYLENE		.16	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BENZO[KJ]FLUORANTHENE		.1	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BENZYL ALCOHOL		.14	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BIS(2-CHLOROETHOXY) METHANE		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BIS(2-CHLOROETHYL) ETHER		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BIS(2-CHLOROISOPROPYL) ETHER		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BIS(2-ETHYLHEXYL) PHTHALATE		.1	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		BUTYLBENZYL PHTHALATE		.1	mg/kg	U	N	Y	UJ	LT	05B				EFM3S*41	00:01
		CHRYSENE		.1	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		DI-N-BUTYL PHTHALATE		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		DI-N-OCTYL PHTHALATE		.14	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		DIBENZOFURAN		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		DIBENZ[AH]ANTHRACENE		.16	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		DIETHYL PHTHALATE		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		DIMETHYL PHTHALATE		.1	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		FLUORANTHENE		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		FLUORENE		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		HEXACHLOROBENZENE		.1	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		HEXACHLOROBUTADIENE		.14	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		HEXACHLOROCYCLOPENTADIENE		1	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		HEXACHLOROETHANE		.1	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		INDENO[1,2,3-C,D]PYRENE		.16	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		ISOPHORONE		.14	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		N-NITROSODI-N-PROPYLAMINE		.1	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		N-NITROSODIPHENYLAMINE		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		NAPHTHALENE		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		NITROBENZENE		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		O-CRESOL		.14	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		P-CRESOL		.14	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		PENTACHLOROPHENOL		.5	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		PHENANTHRENE		.07	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
		PHENOL		.14	mg/kg	U	N	Y	U	LT					EFM3S*41	00:01
014																
15-SS04	1	1,2,4-TRICHLOROBENZENE		.1	mg/kg	U	N	Y	U	LT					EFM3S*42	00:01
		1,2-DICHLOROBENZENE		.07	mg/kg	U	N	Y	U	LT					EFM3S*42	00:01

Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfrc:	Hit Use	BCF	Val Qlfrc	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
											1	2	3	4			
014																	
15-SS04	1	1,3-DICHLOROBENZENE		.07	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		1,4-DICHLOROBENZENE		.07	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		2,4,5-TRICHLOROPHENOL		.3	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		2,4,6-TRICHLOROPHENOL		.3	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		2,4-DICHLOROPHENOL		.14	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		2,4-DIMETHYLPHENOL		.14	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		2,4-DINITROPHENOL		1.3	mg/kg	U	N Y		UJ	LT	05B				EFM3S*42	00:01	
		2,4-DINITROTOLUENE		.14	mg/kg	U	N Y		UJ	LT	05B				EFM3S*42	00:01	
		2,6-DINITROTOLUENE		.14	mg/kg	U	N Y		UJ	LT	05B				EFM3S*42	00:01	
		2-CHLORONAPHTHALENE		.07	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		2-CHLOROPHENOL		.14	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		2-METHYLNAPHTHALENE		.1	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		2-NITROANILINE		.3	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		2-NITROPHENOL		.14	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		3,3'-DICHLOROBENZIDINE		.5	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		3-METHYL-4-CHLOROPHENOL		.14	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		3-NITROANILINE		.3	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		4,6-DINITRO-2-CRESOL		1	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		4-BROMOPHENYL PHENYL ETHER		.14	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		4-CHLOROANILINE		.3	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		4-CHLOROPHENYL PHENYL ETHER		.1	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		4-NITROANILINE		.3	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		4-NITROPHENOL		.5	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		ACENAPHTHENE		.07	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		ACENAPHTHYLENE		.07	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		ANTHRACENE		.07	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BENZOIC ACID		1.4	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BENZO[A]ANTHRACENE		.1	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BENZO[A]PYRENE		.14	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BENZO[B]FLUORANTHENE		.1	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BENZO[DEF]PHENANTHRENE		.07	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BENZO[GHJ]PERYLENE		.16	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BENZO[K]FLUORANTHENE		.1	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BENZYL ALCOHOL		.14	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BIS(2-CHLOROETHOXY) METHANE		.07	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BIS(2-CHLOROETHYL) ETHER		.07	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BIS(2-CHLOROISOPROPYL) ETHER		.07	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	
		BIS(2-ETHYLHEXYL) PHTHALATE		.028	mg/kg	J	N Y		B	LT	15 06A 24				EFM3S*42	00:01	
		BUTYLBENZYL PHTHALATE		.1	mg/kg	U	N Y		UJ	LT	05B				EFM3S*42	00:01	
		CHRYSENE		.1	mg/kg	U	N Y		U	LT					EFM3S*42	00:01	

Validation Quantitative Data Entry Verification

Run Date: July 30, 2001

Fort McClellan

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
014																
15-SS04	1	DI-N-BUTYL PHTHALATE	.07	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		DI-N-OCTYL PHTHALATE	.14	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		DIBENZOFURAN	.07	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		DIBENZ[AH]ANTHRACENE	.16	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		DIETHYL PHTHALATE	.07	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		DIMETHYL PHTHALATE	.1	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		FLUORANTHENE	.07	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		FLUORENE	.07	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		HEXACHLOROBENZENE	.1	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		HEXACHLOROBUTADIENE	.14	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		HEXACHLOROCYCLOPENTADIENE	1	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		HEXACHLOROETHANE	.1	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		INDENO[1,2,3-C,D]PYRENE	.16	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		ISOPHORONE	.14	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		N-NITROSODI-N-PROPYLAMINE	.1	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		N-NITROSODIPHENYLAMINE	.07	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		NAPHTHALENE	.07	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		NITROBENZENE	.07	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		O-CRESOL	.14	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		P-CRESOL	.14	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		PENTACHLOROPHENOL	.5	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		PHENANTHRENE	.07	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
		PHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*42	00:01
015																
15-SS02A	1	1,2,4-TRICHLOROBENZENE	.1	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		1,2-DICHLOROBENZENE	.07	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		1,3-DICHLOROBENZENE	.07	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		1,4-DICHLOROBENZENE	.07	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2,4,5-TRICHLOROPHENOL	.3	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2,4,6-TRICHLOROPHENOL	.3	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2,4-DICHLOROPHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2,4-DIMETHYLPHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2,4-DINITROPHENOL	1.3	mg/kg	U	N Y		UJ	LT	05B					EFM3S*39	00:01
		2,4-DINITROTOLUENE	.14	mg/kg	U	N Y		UJ	LT	05B					EFM3S*39	00:01
		2,6-DINITROTOLUENE	.14	mg/kg	U	N Y		UJ	LT	05B					EFM3S*39	00:01
		2-CHLORONAPHTHALENE	.07	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2-CHLOROPHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2-METHYLNAPHTHALENE	.1	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2-NITROANILINE	.3	mg/kg	U	N Y		U	LT						EFM3S*39	00:01
		2-NITROPHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*39	00:01

Validation Quarter Data Entry Verification

Run Date: July 30, 2001

Fort McClellan

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
											1	2	3	4			
015																	
15-SS02A		1	3,3'-DICHLOROBENZIDINE	.5	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			3-METHYL-4-CHLOROPHENOL	.14	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			3-NITROANILINE	.3	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			4,6-DINITRO-2-CRESOL	1	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			4-BROMOPHENYL PHENYL ETHER	.14	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			4-CHLOROANILINE	.3	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			4-CHLOROPHENYL PHENYL ETHER	.1	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			4-NITROANILINE	.3	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			4-NITROPHENOL	.5	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			ACENAPHTHENE	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			ACENAPHTHYLENE	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			ANTHRACENE	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BENZOIC ACID	1.4	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BENZO[A]ANTHRACENE	.1	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BENZO[A]PYRENE	.14	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BENZO[B]FLUORANTHENE	.1	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BENZO[DEF]PHENANTHRENE	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BENZO[GHI]PERYLENE	.16	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BENZO[KJ]FLUORANTHENE	.1	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BENZYL ALCOHOL	.14	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BIS(2-CHLOROETHOXY) METHANE	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BIS(2-CHLOROETHYL) ETHER	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BIS(2-CHLOROISOPROPYL) ETHER	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			BIS(2-ETHYLHEXYL) PHTHALATE	.084	mg/kg	J	N Y	B	LT	15 06A 24					EFM3S*39	00:01	
			BUTYLBENZYL PHTHALATE	.1	mg/kg	U	N Y		UJ	LT	05B				EFM3S*39	00:01	
			CHRYSENE	.1	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			DI-N-BUTYL PHTHALATE	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			DI-N-OCTYL PHTHALATE	.14	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			DIBENZOFURAN	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			DIBENZ[AH]ANTHRACENE	.16	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			DIETHYL PHTHALATE	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			DIMETHYL PHTHALATE	.1	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			FLUORANTHENE	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			FLUORENE	.07	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			HEXACHLOROBENZENE	.1	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			HEXACHLOROBUTADIENE	.14	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			HEXACHLOROCYCLOPENTADIENE	1	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			HEXACHLOROETHANE	.1	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			INDENO[1,2,3-C,D]PYRENE	.16	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			ISOPHORONE	.14	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	

▼ Qualitative Quantitative Data Entry ▼ Verification

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
									Qlfr	Code:			
015													
15-SS02A	1	N-NITROSO-DI-N-PROPYLAMINE	.1	mg/kg	U	N Y		U	LT			EFM3S*39	00:01
		N-NITROSO-DIPHENYLAMINE	.07	mg/kg	U	N Y		U	LT			EFM3S*39	00:01
		NAPHTHALENE	.07	mg/kg	U	N Y		U	LT			EFM3S*39	00:01
		NITROBENZENE	.07	mg/kg	U	N Y		U	LT			EFM3S*39	00:01
		O-CRESOL	.14	mg/kg	U	N Y		U	LT			EFM3S*39	00:01
		P-CRESOL	.14	mg/kg	U	N Y		U	LT			EFM3S*39	00:01
		PENTACHLOROPHENOL	.5	mg/kg	U	N Y		U	LT			EFM3S*39	00:01
		PHENANTHRENE	.07	mg/kg	U	N Y		U	LT			EFM3S*39	00:01
		PHENOL	.14	mg/kg	U	N Y		U	LT			EFM3S*39	00:01
019													
15-SS01B	1	1,2,4-TRICHLOROBENZENE	.1	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		1,2-DICHLOROBENZENE	.07	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		1,3-DICHLOROBENZENE	.07	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		1,4-DICHLOROBENZENE	.07	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		2,4,5-TRICHLOROPHENOL	.3	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		2,4,6-TRICHLOROPHENOL	.3	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		2,4-DICHLOROPHENOL	.14	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		2,4-DIMETHYLPHENOL	.14	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		2,4-DINITROPHENOL	1.3	mg/kg	U	N Y		UJ	LT	05B		EFM3S*38	00:01
		2,4-DINITROTOLUENE	.14	mg/kg	U	N Y		UJ	LT	05B		EFM3S*38	00:01
		2,6-DINITROTOLUENE	.14	mg/kg	U	N Y		UJ	LT	05B		EFM3S*38	00:01
		2-CHLORONAPHTHALENE	.07	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		2-CHLOROPHENOL	.14	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		2-METHYLNAPHTHALENE	.1	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		2-NITROANILINE	.3	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		2-NITROPHENOL	.14	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		3,3'-DICHLOROBENZIDINE	.5	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		3-METHYL-4-CHLOROPHENOL	.14	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		3-NITROANILINE	.3	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		4,6-DINITRO-2-CRESOL	1	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		4-BROMOPHENYL PHENYL ETHER	.14	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		4-CHLOROANILINE	.3	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		4-CHLOROPHENYL PHENYL ETHER	.1	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		4-NITROANILINE	.3	mg/kg	U	N Y		UJ	LT	05		EFM3S*38	00:01
		4-NITROPHENOL	.5	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		ACENAPHTHENE	.07	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		ACENAPHTHYLENE	.07	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		ANTHRACENE	.07	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		BENZOIC ACID	1.4	mg/kg	U	N Y		U	LT			EFM3S*38	00:01
		BENZO[A]ANTHRACENE	.1	mg/kg	U	N Y		U	LT			EFM3S*38	00:01

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											1	2	3	4		
019																
15-SS01B	1	BENZO[A]PYRENE	.14	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		BENZO[B]FLUORANTHENE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		BENZO[DEF]PHENANTHRENE	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		BENZO[GHI]PERYLENE	.16	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		BENZO[K]FLUORANTHENE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		BENZYL ALCOHOL	.14	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		BIS(2-CHLOROETHOXY) METHANE	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		BIS(2-CHLOROETHYL) ETHER	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		BIS(2-CHLOROISOPROPYL) ETHER	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		BIS(2-ETHYLHEXYL) PHTHALATE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		BUTYLBENZYL PHTHALATE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		CHRYSENE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		DI-N-BUTYL PHTHALATE	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		DI-N-OCTYL PHTHALATE	.14	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		DIBENZOFURAN	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		DIBENZ[AH]ANTHRACENE	.16	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		DIETHYL PHTHALATE	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		DIMETHYL PHTHALATE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		FLUORANTHENE	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		FLUORENE	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		HEXACHLOROBENZENE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		HEXACHLOROBUTADIENE	.14	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		HEXACHLOROCYCLOPENTADIENE	1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		HEXACHLOROETHANE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		INDENO[1,2,3-C,D]PYRENE	.16	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		ISOPHORONE	.14	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		N-NITROSODI-N-PROPYLAMINE	.1	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		N-NITROSODIPHENYLAMINE	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		NAPHTHALENE	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		NITROBENZENE	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		O-CRESOL	.14	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		P-CRESOL	.14	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		PENTACHLOROPHENOL	.5	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		PHENANTHRENE	.07	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
		PHENOL	.14	mg/kg	U	N Y		U	LT						EFM3S*38	00:01
027																
15-SS01A	1	TOTAL ORGANIC CARBON	4030	mg/kg			Y	Y							EFM3S*37	00:01
028																
15-SS01B	1	TOTAL ORGANIC CARBON	2010	mg/kg			Y	Y							EFM3S*38	00:01

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											1	2	3	4			
029																	
	15-SS02B	1	TOTAL ORGANIC CARBON	2780	mg/kg		Y Y									EFM3S*40	00:01
040																	
	15-SS01A	1	ALUMINUM	10800	mg/kg		Y Y									EFM3S*37	00:01
			ANTIMONY	1	mg/kg	U	N Y			U	LT					EFM3S*37	00:01
			ARSENIC	2.71	mg/kg		Y Y									EFM3S*37	00:01
			BARIUM	21.2	mg/kg		Y Y									EFM3S*37	00:01
			BERYLLIUM	.153	mg/kg		Y Y									EFM3S*37	00:01
			CADMIUM	.1	mg/kg	U	N Y			U	LT					EFM3S*37	00:01
			CALCIUM	87.3	mg/kg		Y Y									EFM3S*37	00:01
			CHROMIUM	15.3	mg/kg		Y Y									EFM3S*37	00:01
			COBALT	.542	mg/kg		Y Y									EFM3S*37	00:01
			COPPER	6.37	mg/kg		Y Y									EFM3S*37	00:01
			IRON	18900	mg/kg		Y Y									EFM3S*37	00:01
			LEAD	6.84	mg/kg		Y Y									EFM3S*37	00:01
			MAGNESIUM	330	mg/kg		Y Y									EFM3S*37	00:01
			MANGANESE	7.9	mg/kg		Y Y									EFM3S*37	00:01
			NICKEL	1.53	mg/kg		Y Y									EFM3S*37	00:01
			POTASSIUM	519	mg/kg		Y Y									EFM3S*37	00:01
			SELENIUM	1.19	mg/kg		Y Y									EFM3S*37	00:01
			SILVER	.2	mg/kg	U	N Y			U	LT					EFM3S*37	00:01
			SODIUM	118	mg/kg		Y Y									EFM3S*37	00:01
			THALLIUM	.5	mg/kg	U	N Y			U	LT					EFM3S*37	00:01
			VANADIUM	30.7	mg/kg		Y Y									EFM3S*37	00:01
			ZINC	6.01	mg/kg		Y Y									EFM3S*37	00:01
041																	
	15-SS01A	1	MERCURY	.142	mg/kg		Y Y									EFM3S*37	00:01
	15-SS01B	1	ALUMINUM	7530	mg/kg		Y Y									EFM3S*38	00:01
			ANTIMONY	.94	mg/kg	U	N Y			U	LT					EFM3S*38	00:01
			ARSENIC	4.68	mg/kg		Y Y									EFM3S*38	00:01
			BARIUM	14.3	mg/kg		Y Y									EFM3S*38	00:01
			BERYLLIUM	.203	mg/kg		Y Y									EFM3S*38	00:01
			CADMIUM	.094	mg/kg	U	N Y			U	LT					EFM3S*38	00:01
			CALCIUM	27.5	mg/kg		Y Y									EFM3S*38	00:01
			CHROMIUM	11.9	mg/kg		Y Y									EFM3S*38	00:01
			COBALT	.358	mg/kg		Y Y									EFM3S*38	00:01
			COPPER	5.38	mg/kg		Y Y									EFM3S*38	00:01
			IRON	19100	mg/kg		Y Y									EFM3S*38	00:01
			LEAD	6.09	mg/kg		Y Y									EFM3S*38	00:01
			MAGNESIUM	167	mg/kg		Y Y									EFM3S*38	00:01

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											1	2	3	4			
041																	
	15-SS01B	1	MANGANESE	11.9	mg/kg		Y Y									EFM3S*38	00:01
			NICKEL	1.19	mg/kg		Y Y									EFM3S*38	00:01
			POTASSIUM	597	mg/kg		Y Y									EFM3S*38	00:01
			SELENIUM	1.3	mg/kg		Y Y									EFM3S*38	00:01
			SILVER	.19	mg/kg	U	N Y			U	LT					EFM3S*38	00:01
			SODIUM	87.2	mg/kg		Y Y									EFM3S*38	00:01
			THALLIUM	.47	mg/kg	U	N Y			U	LT					EFM3S*38	00:01
			VANADIUM	26.3	mg/kg		Y Y									EFM3S*38	00:01
			ZINC	4.66	mg/kg		Y Y									EFM3S*38	00:01
042																	
	15-SS01B	1	MERCURY	.019	mg/kg		N Y		J	LT	24 15					EFM3S*38	00:01
	15-SS02A	1	ALUMINUM	7370	mg/kg		Y Y									EFM3S*39	00:01
			ANTIMONY	.92	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			ARSENIC	2.09	mg/kg		Y Y								EFM3S*39	00:01	
			BARIUM	23.1	mg/kg		Y Y								EFM3S*39	00:01	
			BERYLLIUM	.198	mg/kg		Y Y								EFM3S*39	00:01	
			CADMIUM	.092	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			CALCIUM	103	mg/kg		Y Y								EFM3S*39	00:01	
			CHROMIUM	8.25	mg/kg		Y Y								EFM3S*39	00:01	
			COBALT	1.87	mg/kg		Y Y								EFM3S*39	00:01	
			COPPER	3.63	mg/kg		Y Y								EFM3S*39	00:01	
			IRON	8470	mg/kg		Y Y								EFM3S*39	00:01	
			LEAD	6.27	mg/kg		Y Y								EFM3S*39	00:01	
			MAGNESIUM	275	mg/kg		Y Y								EFM3S*39	00:01	
			MANGANESE	82.5	mg/kg		Y Y								EFM3S*39	00:01	
			NICKEL	2.09	mg/kg		Y Y								EFM3S*39	00:01	
			POTASSIUM	264	mg/kg		Y Y								EFM3S*39	00:01	
			SELENIUM	.576	mg/kg		Y Y								EFM3S*39	00:01	
			SILVER	.18	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			SODIUM	121	mg/kg		Y Y								EFM3S*39	00:01	
			THALLIUM	.46	mg/kg	U	N Y		U	LT					EFM3S*39	00:01	
			VANADIUM	15.4	mg/kg		Y Y								EFM3S*39	00:01	
			ZINC	6.49	mg/kg		Y Y								EFM3S*39	00:01	
043																	
	15-SS02A	1	MERCURY	.0594	mg/kg		Y Y									EFM3S*39	00:01
	15-SS02B	1	ALUMINUM	6670	mg/kg		Y Y									EFM3S*40	00:01
			ANTIMONY	.79	mg/kg	U	N Y		U	LT					EFM3S*40	00:01	
			ARSENIC	2.08	mg/kg		Y Y								EFM3S*40	00:01	
			BARIUM	22.2	mg/kg		Y Y								EFM3S*40	00:01	

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											1	2	3	4			
043																	
	15-SS02B	1	BERYLLIUM	.156	mg/kg		Y Y									EFM3S*40	00:01
			CADMIUM	.079	mg/kg	U	N Y		U							EFM3S*40	00:01
			CALCIUM	81.1	mg/kg		Y Y									EFM3S*40	00:01
			CHROMIUM	10.4	mg/kg		Y Y									EFM3S*40	00:01
			COBALT	1.78	mg/kg		Y Y									EFM3S*40	00:01
			COPPER	3.56	mg/kg		Y Y									EFM3S*40	00:01
			IRON	7890	mg/kg		Y Y									EFM3S*40	00:01
			LEAD	7.11	mg/kg		Y Y									EFM3S*40	00:01
			MAGNESIUM	267	mg/kg		Y Y									EFM3S*40	00:01
			MANGANESE	35.6	mg/kg		Y Y									EFM3S*40	00:01
			NICKEL	2.22	mg/kg		Y Y									EFM3S*40	00:01
			POTASSIUM	222	mg/kg		Y Y									EFM3S*40	00:01
			SELENIUM	.397	mg/kg	U	N Y		U							EFM3S*40	00:01
			SILVER	.16	mg/kg	U	N Y		U							EFM3S*40	00:01
			SODIUM	111	mg/kg		Y Y									EFM3S*40	00:01
			THALLIUM	.4	mg/kg	U	N Y		U							EFM3S*40	00:01
			VANADIUM	14.4	mg/kg		Y Y									EFM3S*40	00:01
			ZINC	6.11	mg/kg		Y Y									EFM3S*40	00:01
044																	
	15-SS02B	1	MERCURY	.0433	mg/kg		Y Y									EFM3S*40	00:01
	15-SS03	1	ALUMINUM	9150	mg/kg		Y Y									EFM3S*41	00:01
			ANTIMONY	.92	mg/kg	U	N Y		U							EFM3S*41	00:01
			ARSENIC	2.53	mg/kg		Y Y									EFM3S*41	00:01
			BARIUM	20.9	mg/kg		Y Y									EFM3S*41	00:01
			BERYLLIUM	.174	mg/kg		Y Y									EFM3S*41	00:01
			CADMIUM	.092	mg/kg	U	N Y		U							EFM3S*41	00:01
			CALCIUM	162	mg/kg		Y Y									EFM3S*41	00:01
			CHROMIUM	10.2	mg/kg		Y Y									EFM3S*41	00:01
			COBALT	1.39	mg/kg		Y Y									EFM3S*41	00:01
			COPPER	4.98	mg/kg		Y Y									EFM3S*41	00:01
			IRON	13900	mg/kg		Y Y									EFM3S*41	00:01
			LEAD	7.76	mg/kg		Y Y									EFM3S*41	00:01
			MAGNESIUM	348	mg/kg		Y Y									EFM3S*41	00:01
			MANGANESE	30.1	mg/kg		Y Y									EFM3S*41	00:01
			NICKEL	2.2	mg/kg		Y Y									EFM3S*41	00:01
			POTASSIUM	359	mg/kg		Y Y									EFM3S*41	00:01
			SELENIUM	.913	mg/kg		Y Y									EFM3S*41	00:01
			SILVER	.18	mg/kg	U	N Y		U							EFM3S*41	00:01
			SODIUM	92.7	mg/kg		Y Y									EFM3S*41	00:01
			THALLIUM	.46	mg/kg	U	N Y		U							EFM3S*41	00:01

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
											1	2	3	4			
044																	
15-SS03		1	VANADIUM	22	mg/kg		Y	Y								EFM3S*41	00:01
			ZINC	6.84	mg/kg		Y	Y								EFM3S*41	00:01
045																	
15-SS03		1	MERCURY	.0498	mg/kg		Y	Y								EFM3S*41	00:01
15-SS04		1	ALUMINUM	5960	mg/kg		Y	Y								EFM3S*42	00:01
			ANTIMONY	.93	mg/kg	U	N	Y		U	LT					EFM3S*42	00:01
			ARSENIC	2.04	mg/kg		Y	Y								EFM3S*42	00:01
			BARIUM	31.4	mg/kg		Y	Y								EFM3S*42	00:01
			BERYLLIUM	.217	mg/kg		Y	Y								EFM3S*42	00:01
			CADMIUM	.093	mg/kg	U	N	Y		U	LT					EFM3S*42	00:01
			CALCIUM	249	mg/kg		Y	Y								EFM3S*42	00:01
			CHROMIUM	7.15	mg/kg		Y	Y								EFM3S*42	00:01
			COBALT	3.03	mg/kg		Y	Y								EFM3S*42	00:01
			COPPER	2.93	mg/kg		Y	Y								EFM3S*42	00:01
			IRON	7910	mg/kg		Y	Y								EFM3S*42	00:01
			LEAD	10.4	mg/kg		Y	Y								EFM3S*42	00:01
			MAGNESIUM	238	mg/kg		Y	Y								EFM3S*42	00:01
			MANGANESE	184	mg/kg		Y	Y								EFM3S*42	00:01
			NICKEL	2.06	mg/kg		Y	Y								EFM3S*42	00:01
			POTASSIUM	228	mg/kg		Y	Y								EFM3S*42	00:01
			SELENIUM	.62	mg/kg		Y	Y								EFM3S*42	00:01
			SILVER	.19	mg/kg	U	N	Y		U	LT					EFM3S*42	00:01
			SODIUM	130	mg/kg		Y	Y								EFM3S*42	00:01
			THALLIUM	.46	mg/kg	U	N	Y		U	LT					EFM3S*42	00:01
			VANADIUM	15.2	mg/kg		Y	Y								EFM3S*42	00:01
			ZINC	6.5	mg/kg		Y	Y								EFM3S*42	00:01
046																	
15-SS04		1	MERCURY	.0347	mg/kg		Y	Y								EFM3S*42	00:01
1100MISSVOC																	
15-SS01A	N 0 1	1,1,1-TRICHLOROETHANE	.0052	mg/kg			Y	Y								FMSV*197	00:00
		1,1,2,2-TETRACHLOROETHANE	.0048	mg/kg	U		N	Y		U						FMSV*197	00:00
		1,1,2-TRICHLOROETHANE	.0048	mg/kg	U		N	Y		U						FMSV*197	00:00
		1,1-DICHLOROETHANE	.0048	mg/kg	U		N	Y		U						FMSV*197	00:00
		1,1-DICHLOROETHYLENE	.0048	mg/kg	U		N	Y		U						FMSV*197	00:00
		1,2-DICHLOROETHANE	.0049	mg/kg	U		N	Y		U						FMSV*197	00:00
		1,2-DICHLOROETHENE (TOTAL)	.0048	mg/kg	U		N	Y		U						FMSV*197	00:00
		1,2-DICHLOROPROPANE	.0048	mg/kg	U		N	Y		U						FMSV*197	00:00
		2-HEXANONE (MBK)	.024	mg/kg	U		N	Y		U						FMSV*197	00:00

Variation Quantifier Data Entry Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
											1	2	3	4			
1100MISSVOC																	
15-SS01A	N 0 1	ACETONE	.048	mg/kg	U	N Y		U								FMSV*197	00:00
		BENZENE	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		BROMODICHLOROMETHANE	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		BROMOFORM	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		BROMOMETHANE	.0095	mg/kg	U	N Y	R								04C	FMSV*197	00:00
		CARBON DISULFIDE	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		CARBON TETRACHLORIDE	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		CHLOROBENZENE	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		CHLOROETHANE	.0095	mg/kg	U	N Y		U								FMSV*197	00:00
		CHLOROFORM	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		CHLOROMETHANE	.0095	mg/kg	U	N Y		U								FMSV*197	00:00
		CIS-1,3-DICHLOROPROPENE	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		DIBROMOCHLOROMETHANE	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		ETHYLBENZENE	.0023	mg/kg	J	Y Y		J							15	FMSV*197	00:00
		METHYL ETHYL KETONE (MEK)	.0042	mg/kg	J	Y Y		J							15	FMSV*197	00:00
		METHYLENE CHLORIDE	.0057	mg/kg	B	Y Y		B							06A	FMSV*197	00:00
		METHYLISOBUTYL KETONE (MIBK)	.024	mg/kg	U	N Y		U								FMSV*197	00:00
		STYRENE	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		TETRACHLOROETHENE	.0093	mg/kg		Y Y										FMSV*197	00:00
		TOLUENE	.0018	mg/kg	J	Y Y		J							15	FMSV*197	00:00
		TRANS-1,3-DICHLOROPROPENE	.0048	mg/kg	U	N Y		U								FMSV*197	00:00
		TRICHLOROETHENE	.0027	mg/kg	J	Y Y		J							15	FMSV*197	00:00
		VINYL ACETATE	.0095	mg/kg	U	N Y		UJ							05B	FMSV*197	00:00
		VINYL CHLORIDE	.0095	mg/kg	U	N Y		U								FMSV*197	00:00
		XYLENE, TOTAL	.01	mg/kg		Y Y										FMSV*197	00:00
15-SS01B	N 0 1	1,1,1-TRICHLOROETHANE	.0079	mg/kg		Y Y										FMSV*198	00:00
		1,1,2,2-TETRACHLOROETHANE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		1,1,2-TRICHLOROETHANE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		1,1-DICHLOROETHANE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		1,1-DICHLOROETHYLENE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		1,2-DICHLOROETHANE	.0049	mg/kg	U	N Y		U								FMSV*198	00:00
		1,2-DICHLOROETHENE (TOTAL)	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		1,2-DICHLOROPROPANE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		2-HEXANONE (MBK)	.022	mg/kg	U	N Y		U								FMSV*198	00:00
		ACETONE	.042	mg/kg	U	N Y		U								FMSV*198	00:00
		BENZENE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		BROMODICHLOROMETHANE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		BROMOFORM	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		BROMOMETHANE	.0088	mg/kg	U	N Y	R								04C	FMSV*198	00:00
		CARBON DISULFIDE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00

Validation Quarter Data Entry Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
											1	2	3	4			
1100MISSVOC																	
15-SS01B	N 0 1	CARBON TETRACHLORIDE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		CHLOROBENZENE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		CHLOROETHANE	.0088	mg/kg	U	N Y		U								FMSV*198	00:00
		CHLOROFORM	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		CHLOROMETHANE	.0088	mg/kg	U	N Y		U								FMSV*198	00:00
		CIS-1,3-DICHLOROPROPENE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		DIBROMOCHLOROMETHANE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		ETHYLBENZENE	.0021	mg/kg	J	Y Y		J		15						FMSV*198	00:00
		METHYL ETHYL KETONE (MEK)	.004	mg/kg	J	Y Y		J		15						FMSV*198	00:00
		METHYLENE CHLORIDE	.0081	mg/kg	B	Y Y		B		06A						FMSV*198	00:00
		METHYLISOBUTYL KETONE (MIBK)	.022	mg/kg	U	N Y		U								FMSV*198	00:00
		STYRENE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		TETRACHLOROETHENE	.0092	mg/kg		Y Y										FMSV*198	00:00
		TOLUENE	.0013	mg/kg	J	Y Y		J		15						FMSV*198	00:00
		TRANS-1,3-DICHLOROPROPENE	.0044	mg/kg	U	N Y		U								FMSV*198	00:00
		TRICHLOROETHENE	.0039	mg/kg	J	Y Y		J		15						FMSV*198	00:00
		VINYL ACETATE	.0088	mg/kg	U	N Y		UJ		05B						FMSV*198	00:00
		VINYL CHLORIDE	.0088	mg/kg	U	N Y		U								FMSV*198	00:00
		XYLENE, TOTAL	.0088	mg/kg		Y Y										FMSV*198	00:00
15-SS02A	N 0 1	1,1,1-TRICHLOROETHANE	.0055	mg/kg		Y Y										FMSV*199	00:00
		1,1,2,2-TETRACHLOROETHANE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		1,1,2-TRICHLOROETHANE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		1,1-DICHLOROETHANE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		1,1-DICHLOROETHYLENE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		1,2-DICHLOROETHANE	.0049	mg/kg	U	N Y		U								FMSV*199	00:00
		1,2-DICHLOROETHENE (TOTAL)	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		1,2-DICHLOROPROPANE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		2-HEXANONE (MBK)	.022	mg/kg	U	N Y		U								FMSV*199	00:00
		ACETONE	.48	mg/kg		Y Y										FMSV*199	00:00
		BENZENE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		BROMODICHLOROMETHANE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		BROMOFORM	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		BROMOMETHANE	.0088	mg/kg	U	N Y		R		04C						FMSV*199	00:00
		CARBON DISULFIDE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		CARBON TETRACHLORIDE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		CHLOROBENZENE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		CHLOROETHANE	.0088	mg/kg	U	N Y		U								FMSV*199	00:00
		CHLOROFORM	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		CHLOROMETHANE	.0088	mg/kg	U	N Y		U								FMSV*199	00:00
		CIS-1,3-DICHLOROPROPENE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00

Environmental Quality Data Entry Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfrc:	Hit Use	BCF	Val Qlfrc	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
											1	2	3	4			
1100MISSVOC																	
15-SS02A	N 0 1	DIBROMOCHLOROMETHANE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		ETHYLBENZENE	.0018	mg/kg	J	Y Y		J		15						FMSV*199	00:00
		METHYL ETHYL KETONE (MEK)	.017	mg/kg	J	Y Y		J		15						FMSV*199	00:00
		METHYLENE CHLORIDE	.0046	mg/kg	B	Y Y		B			06A					FMSV*199	00:00
		METHYLISOBUTYL KETONE (MIBK)	.022	mg/kg	U	N Y		U								FMSV*199	00:00
		STYRENE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		TETRACHLOROETHENE	.0072	mg/kg		Y Y										FMSV*199	00:00
		TOLUENE	.0012	mg/kg	J	Y Y		J		15						FMSV*199	00:00
		TRANS-1,3-DICHLOROPROPENE	.0044	mg/kg	U	N Y		U								FMSV*199	00:00
		TRICHLOROETHENE	.0026	mg/kg	J	Y Y		J		15						FMSV*199	00:00
		VINYL ACETATE	.0088	mg/kg	U	N Y		UJ			05B					FMSV*199	00:00
		VINYL CHLORIDE	.0088	mg/kg	U	N Y		U								FMSV*199	00:00
		XYLENE, TOTAL	.008	mg/kg		Y Y										FMSV*199	00:00
15-SS02B	N 0 1	XYLENE, TOTAL	.012	mg/kg		Y Y										FMSV*200	00:00
15-SS03	N 0 1	1,1,1-TRICHLOROETHANE	.0053	mg/kg		Y Y										FMSV*201	00:00
		1,1,2,2-TETRACHLOROETHANE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		1,1,2-TRICHLOROETHANE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		1,1-DICHLOROETHANE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		1,1-DICHLOROETHYLENE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		1,2-DICHLOROETHANE	.0049	mg/kg	U	N Y		U								FMSV*201	00:00
		1,2-DICHLOROETHENE (TOTAL)	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		1,2-DICHLOROPROPANE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		2-HEXANONE (MBK)	.023	mg/kg	U	N Y		U								FMSV*201	00:00
		ACETONE	.14	mg/kg		Y Y										FMSV*201	00:00
		BENZENE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		BROMODICHLOROMETHANE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		BROMOFORM	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		BROMOMETHANE	.0091	mg/kg	U	N Y		R			04C					FMSV*201	00:00
		CARBON DISULFIDE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		CARBON TETRACHLORIDE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		CHLOROBENZENE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		CHLOROETHANE	.0091	mg/kg	U	N Y		U								FMSV*201	00:00
		CHLOROFORM	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		CHLOROMETHANE	.0091	mg/kg	U	N Y		U								FMSV*201	00:00
		CIS-1,3-DICHLOROPROPENE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		DIBROMOCHLOROMETHANE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		ETHYLBENZENE	.0022	mg/kg	J	Y Y		J		15						FMSV*201	00:00
		METHYL ETHYL KETONE (MEK)	.0062	mg/kg	J	Y Y		J		15						FMSV*201	00:00
		METHYLENE CHLORIDE	.0055	mg/kg	B	Y Y		B			06A					FMSV*201	00:00
		METHYLISOBUTYL KETONE (MIBK)	.023	mg/kg	U	N Y		U								FMSV*201	00:00

Arrangement Quantifier Data Entry Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
											1	2	3	4			
1100MISSVOC																	
15-SS03	N 0 1	STYRENE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		TETRACHLOROETHENE	.0087	mg/kg		Y Y										FMSV*201	00:00
		TOLUENE	.0016	mg/kg	J	Y Y		J			15					FMSV*201	00:00
		TRANS-1,3-DICHLOROPROPENE	.0046	mg/kg	U	N Y		U								FMSV*201	00:00
		TRICHLOROETHENE	.0027	mg/kg	J	Y Y		J			15					FMSV*201	00:00
		VINYL ACETATE	.0091	mg/kg	U	N Y		UJ		05B						FMSV*201	00:00
		VINYL CHLORIDE	.0091	mg/kg	U	N Y		U								FMSV*201	00:00
		XYLENE, TOTAL	.0092	mg/kg		Y Y										FMSV*201	00:00
15-SS04	N 0 1	1,1,1-TRICHLOROETHANE	.0058	mg/kg		Y Y										FMSV*202	00:00
		1,1,2,2-TETRACHLOROETHANE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		1,1,2-TRICHLOROETHANE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		1,1-DICHLOROETHANE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		1,1-DICHLOROETHYLENE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		1,2-DICHLOROETHANE	.0049	mg/kg	U	N Y		U								FMSV*202	00:00
		1,2-DICHLOROETHENE (TOTAL)	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		1,2-DICHLOROPROPANE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		2-HEXANONE (MBK)	.023	mg/kg	U	N Y		U								FMSV*202	00:00
		ACETONE	.24	mg/kg		Y Y										FMSV*202	00:00
		BENZENE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		BROMODICHLOROMETHANE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		BROMOFORM	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		BROMOMETHANE	.0091	mg/kg	U	N Y		R		04C						FMSV*202	00:00
		CARBON DISULFIDE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		CARBON TETRACHLORIDE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		CHLOROBENZENE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		CHLOROETHANE	.0091	mg/kg	U	N Y		U								FMSV*202	00:00
		CHLOROFORM	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		CHLOROMETHANE	.0091	mg/kg	U	N Y		U								FMSV*202	00:00
		CIS-1,3-DICHLOROPROPENE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		DIBROMOCHLOROMETHANE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		ETHYLBENZENE	.0032	mg/kg	J	Y Y		J		15						FMSV*202	00:00
		METHYL ETHYL KETONE (MEK)	.011	mg/kg	J	N Y		J		15						FMSV*202	00:00
		METHYLENE CHLORIDE	.006	mg/kg	B	Y Y		B		06A						FMSV*202	00:00
		METHYLISOBUTYL KETONE (MIBK)	.023	mg/kg	U	N Y		U								FMSV*202	00:00
		STYRENE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		TETRACHLOROETHENE	.013	mg/kg		Y Y										FMSV*202	00:00
		TOLUENE	.0017	mg/kg	J	Y Y		J		15						FMSV*202	00:00
		TRANS-1,3-DICHLOROPROPENE	.0045	mg/kg	U	N Y		U								FMSV*202	00:00
		TRICHLOROETHENE	.0036	mg/kg	J	Y Y		J		15						FMSV*202	00:00
		VINYL ACETATE	.0091	mg/kg	U	N Y		UJ		05B						FMSV*202	00:00

Validation Quantifier Data Entry Verification

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Sample Number:	Analytical/Extraction Method:	Fit REX Dil:	Parameter:	Result:	Units:	Qlfrc:	Hit Use	BCF	Val Qlfrc	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
1100MISSVOC																
		N 0 1	VINYL CHLORIDE	.0091	mg/kg	U	N	Y		U					FMSV*202	00:00
			XYLENE, TOTAL	.014	mg/kg		Y	Y							FMSV*202	00:00
CK815501																
BQ3042	SW8081	SW3520	N 0 1	4,4'-DDD	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				4,4'-DDE	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				4,4'-DDT	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				ALDRIN	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				ALPHA-BHC	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				BETA-BHC	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				CHLORDANE (TECHNICAL)	.0005	mg/L	U	N	Y	U	U				D65F4W	17:56
				DELTA-BHC	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				DIELDRIN	.000054	mg/L		Y	Y	P					D65F4W	17:56
				ENDOSULFAN I	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				ENDOSULFAN II	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				ENDOSULFAN SULFATE	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				ENDRIN	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				ENDRIN ALDEHYDE	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				ENDRIN KETONE	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				GAMMA-BHC (LINDANE)	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				HEPTACHLOR	.000061	mg/L	P	Y	Y	P	J	18			D65F4W	17:56
				HEPTACHLOR EPOXIDE	.00005	mg/L	U	N	Y	U	U				D65F4W	17:56
				METHOXYCHLOR	.0001	mg/L	U	N	Y	U	U				D65F4W	17:56
				TOXAPHENE	.002	mg/L	U	N	Y	U	U				D65F4W	17:56
BQ3043	SW8081	SW3520	N 0 1	4,4'-DDD	.000029	mg/L	J	Y	Y	P	J	15			D6981W	21:38
				4,4'-DDE	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				4,4'-DDT	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				ALDRIN	.000031	mg/L	J	Y	Y	P	J	15			D6981W	21:38
				ALPHA-BHC	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				BETA-BHC	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				CHLORDANE (TECHNICAL)	.0005	mg/L	U	N	Y	U	U				D6981W	21:38
				DELTA-BHC	.000021	mg/L	J	Y	Y	P	J	15			D6981W	21:38
				DIELDRIN	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				ENDOSULFAN I	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				ENDOSULFAN II	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				ENDOSULFAN SULFATE	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				ENDRIN	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				ENDRIN ALDEHYDE	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				ENDRIN KETONE	.00005	mg/L	U	N	Y	U	U				D6981W	21:38
				GAMMA-BHC (LINDANE)	.00003	mg/L	J	Y	Y	P	J	15			D6981W	21:38
				HEPTACHLOR	.00005	mg/L	U	N	Y	U	U				D6981W	21:38

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Sample Number:	Analytical/Extraction Method:			Filt REX Dil:	Parameter:	Result:	Units:	Qlfrc:	Hit Use	BCF	Val Qlfrc	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
	1	2	3										1	2	3	4		
CK815501																		
BQ3043	SW8081	SW3520	N 0 1		HEPTACHLOR EPOXIDE	.00005	mg/L	U	N Y	U	U						D6981W	21:38
					METHOXYCHLOR	.0001	mg/L	U	N Y	U	U						D6981W	21:38
					TOXAPHENE	.002	mg/L	U	N Y	U	U						D6981W	21:38
BQ3044	SW8081	SW3520	N 0 1		4,4'-DDD	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					4,4'-DDE	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					4,4'-DDT	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					ALDRIN	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					ALPHA-BHC	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					BETA-BHC	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					CHLORDANE (TECHNICAL)	.0005	mg/L	U	N Y	U	U						D6986W	21:55
					DELTA-BHC	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					DIELDRIN	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					ENDOSULFAN I	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					ENDOSULFAN II	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					ENDOSULFAN SULFATE	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					ENDRIN	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					ENDRIN ALDEHYDE	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					ENDRIN KETONE	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					GAMMA-BHC (LINDANE)	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					HEPTACHLOR	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					HEPTACHLOR EPOXIDE	.00005	mg/L	U	N Y	U	U						D6986W	21:55
					METHOXYCHLOR	.0001	mg/L	U	N Y	U	U						D6986W	21:55
					TOXAPHENE	.002	mg/L	U	N Y	U	U						D6986W	21:55
BQ3042	SW6010	TOTREC	N 0 1		ALUMINUM	48	mg/L		Y Y	P							D65F4W	15:06
					ANTIMONY	.06	mg/L	U	N Y	U	U						D65F4W	15:06
					ARSENIC	.0046	mg/L	B	Y Y	P	J				15		D65F4W	15:06
					BARIUM	.283	mg/L		Y Y	P							D65F4W	15:06
					BERYLLIUM	.0049	mg/L	B	Y Y	P	J				15		D65F4W	15:06
					CADMIUM	.005	mg/L	U	N Y	U	U						D65F4W	15:06
					CALCIUM	2.63	mg/L	B	Y Y	P	J				15		D65F4W	15:06
					CHROMIUM	.0874	mg/L		Y Y	P							D65F4W	15:06
					COBALT	.0281	mg/L	B	Y Y	P	J				15		D65F4W	15:06
					COPPER	.0333	mg/L		Y Y	P							D65F4W	15:06
					IRON	53.7	mg/L		Y Y	P							D65F4W	15:06
					LEAD	.0156	mg/L		Y Y	P							D65F4W	15:06
					MAGNESIUM	18.4	mg/L		Y Y	P							D65F4W	15:06
					MANGANESE	.876	mg/L		Y Y	P							D65F4W	15:06
					NICKEL	.0966	mg/L		Y Y	P							D65F4W	15:06
					POTASSIUM	36.5	mg/L		Y Y	P							D65F4W	15:06
					SELENIUM	.005	mg/L	U	N Y	U	U						D65F4W	15:06

Valuation Quantitative Data Entry Verification

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
CK815501																
BQ3042	SW6010	TOTREC	N 0 1	SILVER	.01	mg/L	U	N Y U U							D65F4W	15:06
				SODIUM	4.89	mg/L	B	Y Y P J			15				D65F4W	15:06
				THALLIUM	.0055	mg/L	B	Y Y F B			06B	15			D65F4W	15:06
				VANADIUM	.0615	mg/L		Y Y P							D65F4W	15:06
				ZINC	.14	mg/L		Y Y P							D65F4W	15:06
	SW7470	TOTAL	N 0 1	MERCURY	.00018	mg/L	B	Y Y F B			06A	06C	15		D65F4W	17:40
BQ3043	SW6010	TOTREC	N 0 1	ALUMINUM	1.52	mg/L		Y Y P							D6981W	15:14
				ANTIMONY	.06	mg/L	U	N Y U U						D6981W	15:14	
				ARSENIC	.01	mg/L	U	N Y U U						D6981W	15:14	
				BARIUM	.0342	mg/L	B	Y Y P J			15			D6981W	15:14	
				BERYLLIUM	.00076	mg/L	B	Y Y F B			06B	15		D6981W	15:14	
				CADMIUM	.005	mg/L	U	N Y U U						D6981W	15:14	
				CALCIUM	2.82	mg/L	B	Y Y P J			15			D6981W	15:14	
				CHROMIUM	.0048	mg/L	B	Y Y P J			15			D6981W	15:14	
				COBALT	.0023	mg/L	B	Y Y P J			15			D6981W	15:14	
				COPPER	.025	mg/L	U	N Y U U						D6981W	15:14	
				IRON	1.45	mg/L		Y Y P						D6981W	15:14	
				LEAD	.003	mg/L		Y Y P						D6981W	15:14	
				MAGNESIUM	4.44	mg/L	B	Y Y P J			15			D6981W	15:14	
				MANGANESE	.211	mg/L		Y Y P						D6981W	15:14	
				NICKEL	.0041	mg/L	B	Y Y F B			06B	15		D6981W	15:14	
				POTASSIUM	4.05	mg/L	B	Y Y P J			15			D6981W	15:14	
				SELENIUM	.005	mg/L	U	N Y U U						D6981W	15:14	
				SILVER	.01	mg/L	U	N Y U U						D6981W	15:14	
				SODIUM	1.24	mg/L	B	Y Y F B			06B	15		D6981W	15:14	
				THALLIUM	.01	mg/L	U	N Y U U						D6981W	15:14	
				VANADIUM	.0026	mg/L	B	Y Y P J			15			D6981W	15:14	
				ZINC	.0099	mg/L	B	Y Y P J			15			D6981W	15:14	
	SW7470	TOTAL	N 0 1	MERCURY	.0002	mg/L	U	N Y U U						D6981W	16:20	
BQ3044	SW6010	TOTREC	N 0 1	ALUMINUM	1.28	mg/L		Y Y P						D6986W	15:19	
				ANTIMONY	.06	mg/L	U	N Y U U						D6986W	15:19	
				ARSENIC	.01	mg/L	U	N Y U U						D6986W	15:19	
				BARIUM	.0202	mg/L	B	Y Y P J			15			D6986W	15:19	
				BERYLLIUM	.0005	mg/L	B	Y Y F B			06B	15		D6986W	15:19	
				CADMIUM	.005	mg/L	U	N Y U U						D6986W	15:19	
				CALCIUM	.646	mg/L	B	Y Y P J			15			D6986W	15:19	
				CHROMIUM	.0044	mg/L	B	Y Y P J			15			D6986W	15:19	
				COBALT	.05	mg/L	U	N Y U U						D6986W	15:19	
				COPPER	.025	mg/L	U	N Y U U						D6986W	15:19	
				IRON	.955	mg/L		Y Y P						D6986W	15:19	

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Sample Number:	Analytical/Extraction Method: Fit REX Dil: Parameter:				Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
												1	2	3	4			
CK815501																		
BQ3044	SW6010	TOTREC	N	0	1	LEAD	.003	mg/L	U	N	Y	U	U				D6986W	15:19
						MAGNESIUM	1.13	mg/L	B	Y	Y	P	J				D6986W	15:19
						MANGANESE	.0346	mg/L		Y	Y	P					D6986W	15:19
						NICKEL	.0044	mg/L	B	Y	Y	F	B	06B	15		D6986W	15:19
						POTASSIUM	3.79	mg/L	B	Y	Y	P	J	15			D6986W	15:19
						SELENIUM	.005	mg/L	U	N	Y	U	U				D6986W	15:19
						SILVER	.01	mg/L	U	N	Y	U	U				D6986W	15:19
						SODIUM	1.04	mg/L	B	Y	Y	F	B	06B	15		D6986W	15:19
						THALLIUM	.01	mg/L	U	N	Y	U	U				D6986W	15:19
						VANADIUM	.002	mg/L	B	Y	Y	P	J	15			D6986W	15:19
						ZINC	.0083	mg/L	B	Y	Y	P	J	15			D6986W	15:19
	SW7470	TOTAL	N	0	1	MERCURY	.0002	mg/L	U	N	Y	U	U				D6986W	16:23
BQ3042	SW8330	METHOD	N	0	1	1,3,5-TRINITROBENZENE	.0002	mg/L	U	N	Y	U	U				D65F4W	19:45
						1,3-DINITROBENZENE	.0002	mg/L	U	N	Y	U	U				D65F4W	19:45
						2,4,6-TRINITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D65F4W	19:45
						2,4-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D65F4W	19:45
						2,6-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D65F4W	19:45
						2-AMINO-4,6-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D65F4W	19:45
						2-NITROTOLUENE	.0009	mg/L	GU	N	Y	U	U				D65F4W	19:45
						3-NITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D65F4W	19:45
						4-AMINO-2,6-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D65F4W	19:45
						4-NITROTOLUENE	.00058	mg/L	GU	N	Y	U	U				D65F4W	19:45
						HMX	.0005	mg/L	U	N	Y	U	U				D65F4W	19:45
						NITROBENZENE	.0002	mg/L	U	N	Y	U	U				D65F4W	19:45
						RDX	.0005	mg/L	U	N	Y	U	U				D65F4W	19:45
						TETRYL	.0002	mg/L	U	N	Y	U	U				D65F4W	19:45
BQ3043	SW8330	METHOD	N	0	1	1,3,5-TRINITROBENZENE	.0002	mg/L	U	N	Y	U	U				D6981W	21:12
						1,3-DINITROBENZENE	.0002	mg/L	U	N	Y	U	U				D6981W	21:12
						2,4,6-TRINITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D6981W	21:12
						2,4-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D6981W	21:12
						2,6-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D6981W	21:12
						2-AMINO-4,6-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D6981W	21:12
						2-NITROTOLUENE	.00027	mg/L	GU	N	Y	U	U				D6981W	21:12
						3-NITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D6981W	21:12
						4-AMINO-2,6-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D6981W	21:12
						4-NITROTOLUENE	.0002	mg/L	U	N	Y	U	U				D6981W	21:12
						HMX	.0005	mg/L	U	N	Y	U	U				D6981W	21:12
						NITROBENZENE	.0002	mg/L	U	N	Y	U	U				D6981W	21:12
						RDX	.0005	mg/L	U	N	Y	U	U				D6981W	21:12
						TETRYL	.0002	mg/L	U	N	Y	U	U				D6981W	21:12

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Sample Number:	Analytical/Extraction Method:			Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
	1	2	3										1	2	3	4			
CK815501																			
BQ3044	SW8330	METHOD	N	0	1	1,3,5-TRINITROBENZENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						1,3-DINITROBENZENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						2,4,6-TRINITROTOLUENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						2,4-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						2,6-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						2-AMINO-4,6-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						2-NITROTOLUENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						3-NITROTOLUENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						4-AMINO-2,6-DINITROTOLUENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						4-NITROTOLUENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						HMX	.0005	mg/L	U	N	Y	U	U					D6986W	21:24
						NITROBENZENE	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
						RDX	.0005	mg/L	U	N	Y	U	U					D6986W	21:24
						TETRYL	.0002	mg/L	U	N	Y	U	U					D6986W	21:24
BQ3042	SW8082	SW3520	N	0	1	AROCLOR 1016	.0019	mg/L	GU	N	Y	U	U					D65F4W	04:20
						AROCLOR 1221	.001	mg/L	U	N	Y	U	U					D65F4W	04:20
						AROCLOR 1232	.0014	mg/L	GU	N	Y	U	U					D65F4W	04:20
						AROCLOR 1242	.0014	mg/L	GU	N	Y	U	U					D65F4W	04:20
						AROCLOR 1248	.0014	mg/L	GU	N	Y	U	U					D65F4W	04:20
						AROCLOR 1254	.001	mg/L	U	N	Y	U	U					D65F4W	04:20
						AROCLOR 1260	.001	mg/L	U	N	Y	U	U					D65F4W	04:20
BQ3043	SW8082	SW3520	N	0	1	AROCLOR 1016	.001	mg/L	U	N	Y	U	U					D6981W	14:23
						AROCLOR 1221	.001	mg/L	U	N	Y	U	U					D6981W	14:23
						AROCLOR 1232	.001	mg/L	U	N	Y	U	U					D6981W	14:23
						AROCLOR 1242	.001	mg/L	U	N	Y	U	U					D6981W	14:23
						AROCLOR 1248	.001	mg/L	U	N	Y	U	U					D6981W	14:23
						AROCLOR 1254	.001	mg/L	U	N	Y	U	U					D6981W	14:23
						AROCLOR 1260	.001	mg/L	U	N	Y	U	U					D6981W	14:23
BQ3044	SW8082	SW3520	N	0	1	AROCLOR 1016	.001	mg/L	U	N	Y	U	U					D6986W	14:45
						AROCLOR 1221	.001	mg/L	U	N	Y	U	U					D6986W	14:45
						AROCLOR 1232	.001	mg/L	U	N	Y	U	U					D6986W	14:45
						AROCLOR 1242	.001	mg/L	U	N	Y	U	U					D6986W	14:45
						AROCLOR 1248	.001	mg/L	U	N	Y	U	U					D6986W	14:45
						AROCLOR 1254	.001	mg/L	U	N	Y	U	U					D6986W	14:45
						AROCLOR 1260	.001	mg/L	U	N	Y	U	U					D6986W	14:45
BQ3042	SW8270	SW3520	N	0	1	1,2,4-TRICHLOROBENZENE	.01	mg/L	U	N	Y	U	U					D65F4W	17:31
						1,2-DICHLOROBENZENE	.01	mg/L	U	N	Y	U	U					D65F4W	17:31
						1,3-DICHLOROBENZENE	.01	mg/L	U	N	Y	U	U					D65F4W	17:31
						1,4-DICHLOROBENZENE	.01	mg/L	U	N	Y	U	U					D65F4W	17:31
						2,2'-OXYBIS(1-CHLOROPROPANE)	.01	mg/L	U	N	Y	U	U					D65F4W	17:31

Variation Quantifier Data Entry Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:			Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
	1	2	3										1	2	3	4		
CK815501																		
BQ3042	SW8270	SW3520	N 0 1		2,4,5-TRICHLOROPHENOL	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					2,4,6-TRICHLOROPHENOL	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					2,4-DICHLOROPHENOL	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					2,4-DIMETHYLPHENOL	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					2,4-DINITROPHENOL	.05	mg/L	U	N Y	U	UJ			04B	05B	D65F4W	17:31	
					2,4-DINITROTOLUENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					2,6-DINITROTOLUENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					2-CHLORONAPHTHALENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					2-CHLOROPHENOL	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					2-METHYLNAPHTHALENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					2-METHYLPHENOL	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					2-NITROANILINE	.05	mg/L	U	N Y	U	U						D65F4W	17:31
					2-NITROPHENOL	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					3,3'-DICHLOROBENZIDINE	.05	mg/L	U	N Y	U	U						D65F4W	17:31
					3-NITROANILINE	.05	mg/L	U	N Y	U	U						D65F4W	17:31
					4,6-DINITRO-2-METHYLPHENOL	.05	mg/L	U	N Y	U	UJ			05B		D65F4W	17:31	
					4-BROMOPHENYL PHENYL ETHER	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					4-CHLORO-3-METHYLPHENOL	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					4-CHLOROANILINE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					4-CHLOROPHENYL PHENYL ETHER	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					4-METHYLPHENOL	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					4-NITROANILINE	.05	mg/L	U	N Y	U	U						D65F4W	17:31
					4-NITROPHENOL	.05	mg/L	U	N Y	U	U						D65F4W	17:31
					ACENAPHTHENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					ACENAPHTHYLENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					ANTHRACENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					BENZ(A)ANTHRACENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					BENZO(A)PYRENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					BENZO(B)FLUORANTHENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					BENZO(GH)PERYLENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					BENZO(K)FLUORANTHENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					BIS(2-CHLOROETHOXY)METHANE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					BIS(2-CHLOROETHYL) ETHER	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					BIS(2-ETHYLHEXYL) PHTHALATE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					BUTYL BENZYL PHTHALATE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					CARBAZOLE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					CHRYSENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					DI-N-BUTYL PHTHALATE	.0039	mg/L	J	Y	Y	P	J		15			D65F4W	17:31
					DI-N-OCTYL PHTHALATE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					DIBENZ(A,H)ANTHRACENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31

Validation Quantitative Data Entry Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:			Flt REX Dil:	Parameter:	Result:	Units:	Qlfrc:	Hit Use	BCF	Val Qlfrc	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
	1	2	3										1	2	3	4		
CK815501																		
BQ3042	SW8270	SW3520	N 0 1		DIBENZOFURAN	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					DIETHYL PHTHALATE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					DIMETHYL PHTHALATE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					FLUORANTHENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					FLUORENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					HEXAChLOROBENZENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					HEXAChLOROBUTADIENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					HEXAChLOROCYCLOPENTADIENE	.05	mg/L	U	N Y	U	U						D65F4W	17:31
					HEXAChLOROETHANE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					INDENO(1,2,3-CD)PYRENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					ISOPHORONE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					N-NITROSODI-N-PROPYLAMINE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					N-NITROSODIPHENYLAMINE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					NAPHTHALENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					NITROBENZENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					PENTACHLOROPHENOL	.05	mg/L	U	N Y	U	U						D65F4W	17:31
					PHENANTHRENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					PHENOL	.01	mg/L	U	N Y	U	U						D65F4W	17:31
					PYRENE	.01	mg/L	U	N Y	U	U						D65F4W	17:31
BQ3043	SW8270	SW3520	N 0 1		1,2,4-TRICHLOROBENZENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					1,2-DICHLOROBENZENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					1,3-DICHLOROBENZENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					1,4-DICHLOROBENZENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2,2'-OXYBIS(1-CHLOROPROPANE)	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2,4,5-TRICHLOROPHENOL	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2,4,6-TRICHLOROPHENOL	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2,4-DICHLOROPHENOL	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2,4-DIMETHYLPHENOL	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2,4-DINITROPHENOL	.05	mg/L	U	N Y	U	U						D6981W	04:49
					2,4-DINITROTOLUENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2,6-DINITROTOLUENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2-CHLORONAPHTHALENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2-CHLOROPHENOL	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2-METHYLNAPHTHALENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2-METHYLPHENOL	.01	mg/L	U	N Y	U	U						D6981W	04:49
					2-NITROANILINE	.05	mg/L	U	N Y	U	U						D6981W	04:49
					2-NITROPHENOL	.01	mg/L	U	N Y	U	U						D6981W	04:49
					3,3'-DICHLOROBENZIDINE	.05	mg/L	U	N Y	U	U						D6981W	04:49
					3-NITROANILINE	.05	mg/L	U	N Y	U	U						D6981W	04:49
					4,6-DINITRO-2-METHYLPHENOL	.05	mg/L	U	N Y	U	U						D6981W	04:49

Validation Quantifier Data Entry & Verification

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Sample Number:	Analytical/Extraction Method:			Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
	1	2	3										1	2	3	4		
CK815501																		
BQ3043	SW8270	SW3520	N 0 1		4-BROMOPHENYL PHENYL ETHER	.01	mg/L	U	N Y	U	U						D6981W	04:49
					4-CHLORO-3-METHYLPHENOL	.01	mg/L	U	N Y	U	U						D6981W	04:49
					4-CHLOROANILINE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					4-CHLOROPHENYL PHENYL ETHER	.01	mg/L	U	N Y	U	U						D6981W	04:49
					4-METHYLPHENOL	.01	mg/L	U	N Y	U	U						D6981W	04:49
					4-NITROANILINE	.05	mg/L	U	N Y	U	U						D6981W	04:49
					4-NITROPHENOL	.05	mg/L	U	N Y	U	U						D6981W	04:49
					ACENAPHTHENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					ACENAPHTHYLENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					ANTHRACENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					BENZ(A)ANTHRACENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					BENZO(A)PYRENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					BENZO(B)FLUORANTHENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					BENZO(GH)PERYLENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					BENZO(K)FLUORANTHENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					BIS(2-CHLOROETHOXY)METHANE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					BIS(2-CHLOROETHYL) ETHER	.01	mg/L	U	N Y	U	U						D6981W	04:49
					BIS(2-ETHYLHEXYL) PHTHALATE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					BUTYL BENZYL PHTHALATE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					CARBAZOLE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					CHRYSENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					DI-N-BUTYL PHTHALATE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					DI-N-OCTYL PHTHALATE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					DIBENZ(A,H)ANTHRACENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					DIBENZOFURAN	.01	mg/L	U	N Y	U	U						D6981W	04:49
					DIETHYL PHTHALATE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					DIMETHYL PHTHALATE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					FLUORANTHENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					FLUORENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					HEXACHLOROBENZENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					HEXACHLOROBUTADIENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					HEXACHLOROCYCLOPENTADIENE	.05	mg/L	U	N Y	U	U						D6981W	04:49
					HEXACHLOROETHANE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					INDENO(1,2,3-CD)PYRENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					ISOPHORONE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					N-NITROSODI-N-PROPYLAMINE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					N-NITROSODIPHENYLAMINE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					NAPHTHALENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					NITROBENZENE	.01	mg/L	U	N Y	U	U						D6981W	04:49
					PENTACHLOROPHENOL	.05	mg/L	U	N Y	U	U						D6981W	04:49

Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Analysis Time:	
											1	2	3	4	Lab Sample:	
CK815501																
BQ3043	SW8270	SW3520	N 0 1	PHENANTHRENE	.01	mg/L	U	N Y U	U						D6981W	04:49
				PHENOL	.01	mg/L	U	N Y U	U						D6981W	04:49
				PYRENE	.01	mg/L	U	N Y U	U						D6981W	04:49
BQ3044	SW8270	SW3520	N 0 1	1,2,4-TRICHLOROBENZENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				1,2-DICHLOROBENZENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				1,3-DICHLOROBENZENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				1,4-DICHLOROBENZENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2,2'-OXYBIS(1-CHLOROPROPANE)	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2,4,5-TRICHLOROPHENOL	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2,4,6-TRICHLOROPHENOL	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2,4-DICHLOROPHENOL	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2,4-DIMETHYLPHENOL	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2,4-DINITROPHENOL	.05	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2,4-DINITROTOLUENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2,6-DINITROTOLUENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2-CHLORONAPHTHALENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2-CHLOROPHENOL	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2-METHYLNAPHTHALENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2-METHYLPHENOL	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2-NITROANILINE	.05	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				2-NITROPHENOL	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				3,3'-DICHLOROBENZIDINE	.05	mg/L	U	N Y U	U						D6986W	05:11
				3-NITROANILINE	.05	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				4,6-DINITRO-2-METHYLPHENOL	.05	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				4-BROMOPHENYL PHENYL ETHER	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				4-CHLORO-3-METHYLPHENOL	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				4-CHLOROANILINE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				4-CHLOROPHENYL PHENYL ETHER	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				4-METHYLPHENOL	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				4-NITROANILINE	.05	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				4-NITROPHENOL	.05	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				ACENAPHTHENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				ACENAPHTHYLENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				ANTHRACENE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11
				BENZ(A)ANTHRACENE	.01	mg/L	U	N Y U	U						D6986W	05:11
				BENZO(A)PYRENE	.01	mg/L	U	N Y U	U						D6986W	05:11
				BENZO(B)FLUORANTHENE	.01	mg/L	U	N Y U	U						D6986W	05:11
				BENZO(GH)PERYLENE	.01	mg/L	U	N Y U	U						D6986W	05:11
				BENZO(K)FLUORANTHENE	.01	mg/L	U	N Y U	U						D6986W	05:11
				BIS(2-CHLOROETHOXY)METHANE	.01	mg/L	U	N Y U	UJ	10A					D6986W	05:11

✓ Attenuation Qualifier Data Entry ✓ Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:			Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
	1	2	3										1	2	3	4		
CK815501																		
BQ3044	SW8270	SW3520	N 0 1		BIS(2-CHLOROETHYL) ETHER	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					BIS(2-ETHYLHEXYL) PHTHALATE	.01	mg/L	U	N Y	U	U					D6986W	05:11	
					BUTYL BENZYL PHTHALATE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					CARBAZOLE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					CHRYSENE	.01	mg/L	U	N Y	U	U					D6986W	05:11	
					DI-N-BUTYL PHTHALATE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					DI-N-OCTYL PHTHALATE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					DIBENZ(A,H)ANTHRACENE	.01	mg/L	U	N Y	U	U					D6986W	05:11	
					DIBENZOFURAN	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					DIETHYL PHTHALATE	.01	mg/L	U	N Y	U	U					D6986W	05:11	
					DIMETHYL PHTHALATE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					FLUORANTHENE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					FLUORENE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					HEXACHLOROBENZENE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					HEXACHLOROBUTADIENE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					HEXACHLOROCYCLOPENTADIENE	.05	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					HEXACHLOROETHANE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					INDENO(1,2,3-CD)PYRENE	.01	mg/L	U	N Y	U	U					D6986W	05:11	
					ISOPHORONE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					N-NITROSODI-N-PROPYLAMINE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					N-NITROSODIPHENYLAMINE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					NAPHTHALENE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					NITROBENZENE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					PENTACHLOROPHENOL	.05	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					PHENANTHRENE	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					PHENOL	.01	mg/L	U	N Y	U	UJ		10A				D6986W	05:11
					PYRENE	.01	mg/L	U	N Y	U	U					D6986W	05:11	
BQ3042	SW8260	SW5030	N 0 1		1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N Y	U	U					D65F4W	22:22	
					1,1,1-TRICHLOROETHANE	.001	mg/L	U	N Y	U	U					D65F4W	22:22	
					1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N Y	U	UJ		05B				D65F4W	22:22
					1,1,2-TRICHLOROETHANE	.001	mg/L	U	N Y	U	U					D65F4W	22:22	
					1,1-DICHLOROETHANE	.001	mg/L	U	N Y	U	U					D65F4W	22:22	
					1,1-DICHLOROETHENE	.001	mg/L	U	N Y	U	U					D65F4W	22:22	
					1,1-DICHLOROPROPENE	.001	mg/L	U	N Y	U	U					D65F4W	22:22	
					1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N Y	U	UJ		05B				D65F4W	22:22
					1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N Y	U	UJ		05B				D65F4W	22:22
					1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N Y	U	U					D65F4W	22:22	
					1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N Y	U	U					D65F4W	22:22	
					1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N Y	U	R		04A 05A 05B				D65F4W	22:22
					1,2-DIBROMOETHANE	.001	mg/L	U	N Y	U	U					D65F4W	22:22	

Validation Quantifier Data Entry Verification

Run Date: July 30, 2001

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Sample Number:	Analytical/Extraction Method:			Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
	1	2	3										1	2	3	4		
CK815501																		
BQ3042	SW8260	SW5030	N 0 1		1,2-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					1,2-DICHLOROETHANE	.001	mg/L	U	N Y	U	UJ						D65F4W	22:22
					1,2-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					1,3-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					1,3-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					1,4-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					2,2-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					2-BUTANONE	.005	mg/L	U	N Y	U	R			04A 05A 05B		D65F4W	22:22	
					2-CHLOROTOLUENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					2-HEXANONE	.005	mg/L	U	N Y	U	UJ			05B		D65F4W	22:22	
					4-CHLOROTOLUENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					4-METHYL-2-PENTANONE	.005	mg/L	U	N Y	U	U						D65F4W	22:22
					ACETONE	.01	mg/L	U	N Y	U	R			04A 05A 05B		D65F4W	22:22	
					BENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					BROMOBENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					BROMOCHLOROMETHANE	.001	mg/L	U	N Y	U	R			04A 05A		D65F4W	22:22	
					BROMODICHLOROMETHANE	.001	mg/L	U	N Y	U	UJ			05B		D65F4W	22:22	
					BROMOFORM	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					BROMOMETHANE	.002	mg/L	U	N Y	U	U						D65F4W	22:22
					CARBON DISULFIDE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					CARBON TETRACHLORIDE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					CHLOROBENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					CHLORODIBROMOMETHANE	.001	mg/L	U	N Y	U	UJ			05B		D65F4W	22:22	
					CHLOROETHANE	.002	mg/L	U	N Y	U	U						D65F4W	22:22
					CHLOROFORM	.00056	mg/L	J	Y Y	P	J			15		D65F4W	22:22	
					CHLOROMETHANE	.00019	mg/L	J	Y Y	F	B			06D 15		D65F4W	22:22	
					CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y	U	UJ			05B		D65F4W	22:22	
					DIBROMOMETHANE	.001	mg/L	U	N Y	U	R			05A 05B		D65F4W	22:22	
					DICHLORODIFLUOROMETHANE	.002	mg/L	U	N Y	U	U						D65F4W	22:22
					ETHYLBENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					HEXACHLOROBUTADIENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					ISOPROPYLBENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					M-XYLENE & P-XYLENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					METHYLENE CHLORIDE	.001	mg/L	U	N Y	U	UJ			04B 05B		D65F4W	22:22	
					N-BUTYLBENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					N-PROPYLBENZENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22
					NAPHTHALENE	.001	mg/L	U	N Y	U	UJ			05B		D65F4W	22:22	
					O-XYLENE	.001	mg/L	U	N Y	U	U						D65F4W	22:22

VOC Analysis Quantified Data Entry Verification

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Sample Number:	Analytical/Extraction Method: Flt REX Dil:			Parameter:	Result:	Units:	Qlfrc:	Hit Use	BCF	Val Qlfrc	Val Code:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
CK815501														
BQ3042	SW8260	SW5030	N 0 1	P-ISOPROPYL TOLUENE	.001	mg/L	U	N Y	U	U			D65F4W	22:22
				SEC-BUTYL BENZENE	.001	mg/L	U	N Y	U	U			D65F4W	22:22
				STYRENE	.001	mg/L	U	N Y	U	U			D65F4W	22:22
				TERT-BUTYL BENZENE	.001	mg/L	U	N Y	U	U			D65F4W	22:22
				TETRACHLOROETHENE	.001	mg/L	U	N Y	U	U			D65F4W	22:22
				TOLUENE	.001	mg/L	U	N Y	U	U			D65F4W	22:22
				TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y	U	U			D65F4W	22:22
				TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y	U	U			D65F4W	22:22
				TRICHLOROETHENE	.001	mg/L	U	N Y	U	U			D65F4W	22:22
				TRICHLOROFLUOROMETHANE	.002	mg/L	U	N Y	U	U			D65F4W	22:22
				VINYL CHLORIDE	.002	mg/L	U	N Y	U	U			D65F4W	22:22
BQ3043	SW8260	SW5030	N 0 1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,1,1-TRICHLOROETHANE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,1,2-TRICHLOROETHANE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,1-DICHLOROETHANE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,1-DICHLOROETHENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,1-DICHLOROPROPENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N Y	U	UJ	04B		D6981W	20:23
				1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,2,4-TRIMETHYL BENZENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N Y	U	R	04A		D6981W	20:23
				1,2-DIBROMOETHANE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,2-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,2-DICHLOROETHANE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,2-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,3,5-TRIMETHYL BENZENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,3-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,3-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				1,4-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				2,2-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				2-BUTANONE	.005	mg/L	U	N Y	U	R	04A		D6981W	20:23
				2-CHLOROTOLUENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				2-HEXANONE	.005	mg/L	U	N Y	U	U			D6981W	20:23
				4-CHLOROTOLUENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				4-METHYL-2-PENTANONE	.005	mg/L	U	N Y	U	U			D6981W	20:23
				ACETONE	.01	mg/L	U	N Y	U	R	04A		D6981W	20:23
				BENZENE	.001	mg/L	U	N Y	U	U			D6981W	20:23
				BROMOBENZENE	.001	mg/L	U	N Y	U	U			D6981W	20:23

Variation Quantitative Data Entry Verification

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
CK815501																
BQ3043	SW8260	SW5030	N 0 1	BROMOCHLOROMETHANE	.001	mg/L	U	N Y U	R	04A					D6981W	20:23
				BROMODICHLOROMETHANE	.001	mg/L	U	N Y U	U						D6981W	20:23
				BROMOFORM	.001	mg/L	U	N Y U	U						D6981W	20:23
				BROMOMETHANE	.002	mg/L	U	N Y U	U						D6981W	20:23
				CARBON DISULFIDE	.001	mg/L	U	N Y U	U						D6981W	20:23
				CARBON TETRACHLORIDE	.001	mg/L	U	N Y U	U						D6981W	20:23
				CHLOROBENZENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				CHLORODIBROMOMETHANE	.001	mg/L	U	N Y U	U						D6981W	20:23
				CHLOROETHANE	.002	mg/L	U	N Y U	U						D6981W	20:23
				CHLOROFORM	.001	mg/L	U	N Y U	U						D6981W	20:23
				CHLOROMETHANE	.00024	mg/L	J	Y Y F	B	06D 15					D6981W	20:23
				CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				DIBROMOMETHANE	.001	mg/L	U	N Y U	R	04A					D6981W	20:23
				DICHLORODIFLUOROMETHANE	.002	mg/L	U	N Y U	U						D6981W	20:23
				ETHYLBENZENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				HEXACHLOROBUTADIENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				ISOPROPYLBENZENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				M-XYLENE & P-XYLENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				METHYLENE CHLORIDE	.001	mg/L	U	N Y U	UJ	04B					D6981W	20:23
				N-BUTYLBENZENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				N-PROPYLBENZENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				NAPHTHALENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				O-XYLENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				P-ISOPROPYLtolUENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				SEC-BUTYLBENZENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				STYRENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				TERT-BUTYLBENZENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				TETRACHLOROETHENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				TOLUENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				TRICHLOROETHENE	.001	mg/L	U	N Y U	U						D6981W	20:23
				TRICHLOROFLUOROMETHANE	.002	mg/L	U	N Y U	U						D6981W	20:23
				VINYL CHLORIDE	.002	mg/L	U	N Y U	U						D6981W	20:23
BQ3044	SW8260	SW5030	N 0 1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N Y U	U						D6986W	20:50
				1,1,1-TRICHLOROETHANE	.001	mg/L	U	N Y U	U						D6986W	20:50
				1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N Y U	U						D6986W	20:50
				1,1,2-TRICHLOROETHANE	.001	mg/L	U	N Y U	U						D6986W	20:50
				1,1-DICHLOROETHANE	.001	mg/L	U	N Y U	U						D6986W	20:50

✓ Initiation ✓ Quantifier Data Entry ✓ Verification

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Sample Number:	Analytical/Extraction Method:			Fit REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
	1	2	3										1	2	3	4		
CK815501																		
BQ3044	SW8260	SW5030	N 0 1		1,1-DICHLOROETHENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,1-DICHLOROPROPENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N Y	U	UJ				04B		D6986W	20:50
					1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N Y	U	R				04A		D6986W	20:50
					1,2-DIBROMOETHANE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,2-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,2-DICHLOROETHANE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,2-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,3-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,3-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					1,4-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					2,2-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					2-BUTANONE	.005	mg/L	U	N Y	U	R				04A		D6986W	20:50
					2-CHLOROTOLUENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					2-HEXANONE	.005	mg/L	U	N Y	U	U						D6986W	20:50
					4-CHLOROTOLUENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					4-METHYL-2-PENTANONE	.005	mg/L	U	N Y	U	U						D6986W	20:50
					ACETONE	.00074	mg/L	JB	Y Y	F	B				04A 06A 06C 06D		D6986W	20:50
					BENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					BROMOBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					BROMOCHLOROMETHANE	.001	mg/L	U	N Y	U	R				04A		D6986W	20:50
					BROMODICHLOROMETHANE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					BROMOFORM	.001	mg/L	U	N Y	U	U						D6986W	20:50
					BROMOMETHANE	.002	mg/L	U	N Y	U	U						D6986W	20:50
					CARBON DISULFIDE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					CARBON TETRACHLORIDE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					CHLOROBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					CHLORODIBROMOMETHANE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					CHLOROETHANE	.002	mg/L	U	N Y	U	U						D6986W	20:50
					CHLOROFORM	.001	mg/L	U	N Y	U	U						D6986W	20:50
					CHLOROMETHANE	.00016	mg/L	J	Y Y	F	B				06D 15		D6986W	20:50
					CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					DIBROMOMETHANE	.001	mg/L	U	N Y	U	R				04A		D6986W	20:50
					DICHLORODIFLUOROMETHANE	.002	mg/L	U	N Y	U	U						D6986W	20:50
					ETHYLBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50

Validation Quantitative Data Entry Verification

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Sample Number:	Analytical/Extraction Method:			Flt REX Dil:	Parameter:	Result:	Units:	Qlfrc:	Hit Use	BCF	Val Qlfrc	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
	1	2	3										1	2	3	4		
CK815501																		
BQ3044	SW8260	SW5030	N 0 1		HEXACHLOROBUTADIENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					ISOPROPYLBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					M-XYLENE & P-XYLENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					METHYLENE CHLORIDE	.001	mg/L	U	N Y	U	UJ				04B		D6986W	20:50
					N-BUTYLBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					N-PROPYLBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					NAPHTHALENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					O-XYLENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					P-ISOPROPYLTOLUENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					SEC-BUTYLBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					STYRENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					TERT-BUTYLBENZENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					TETRACHLOROETHENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					TOLUENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					TRICHLOROETHENE	.001	mg/L	U	N Y	U	U						D6986W	20:50
					TRICHLOROFLUOROMETHANE	.002	mg/L	U	N Y	U	U						D6986W	20:50
					VINYL CHLORIDE	.002	mg/L	U	N Y	U	U						D6986W	20:50
QST08																		
15-SS02B			N 0 1		1,1,1-Trichloroethane	.012	mg/kg		Y Y								FMSV*200	00:00
					1,1,2,2-Tetrachloroethane	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					1,1,2-Trichloroethane	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					1,1-DICHLOROETHANE	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					1,1-Dichloroethene	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					1,2-DICHLOROETHENE	.00053	mg/kg	J	Y Y		J			15			FMSV*200	00:00
					1,2-Dichloroethane	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					1,2-Dichloropropane	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					2-BUTANONE	.005	mg/kg	J	Y Y		J			15			FMSV*200	00:00
					2-HEXANONE	.022	mg/kg	U	N Y		U						FMSV*200	00:00
					4-Methyl-2-pentanone	.022	mg/kg	U	N Y		U						FMSV*200	00:00
					ACETONE	.044	mg/kg	U	N Y		U						FMSV*200	00:00
					BENZENE	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					BROMODICHLOROMETHANE	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					BROMOFORM	.00441	mg/kg	U	N Y		U						FMSV*200	00:00
					BROMOMETHANE	.0088	mg/kg	U	N Y		R			04C			FMSV*200	00:00
					CARBON DISULFIDE	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					CARBON TETRACHLORIDE	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					CHLOROBENZENE	.0044	mg/kg	U	N Y		U						FMSV*200	00:00
					CHLOROETHANE	.0088	mg/kg	U	N Y		U						FMSV*200	00:00

Validation Quantifier Data Entry & Verification

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
QST08																
15-SS02B	N 0 1	CHLOROFORM	.0044	mg/kg	U	N Y		U			FMSV*200					00:00
		CHLOROMETHANE	.0088	mg/kg	U	N Y		U			FMSV*200					00:00
		CIS-1,3-DICHLOROPROPENE	.0044	mg/kg	U	N Y		U			FMSV*200					00:00
		DIBROMOCHLOROMETHANE	.0044	mg/kg	U	N Y		U			FMSV*200					00:00
		Ethylbenzene	.0028	mg/kg	J	Y Y		J		15	FMSV*200					00:00
		METHYLENE CHLORIDE	.013	mg/kg	B	Y Y		B		06A	FMSV*200					00:00
		STYRENE	.0044	mg/kg	U	N Y		U			FMSV*200					00:00
		TETRACHLOROETHENE	.013	mg/kg		Y Y					FMSV*200					00:00
		TOLUENE	.0022	mg/kg	J	Y Y		J		15	FMSV*200					00:00
		TRANS-1,3-DICHLOROPROPENE	.0044	mg/kg	U	N Y		U			FMSV*200					00:00
		TRICHLOROETHENE	.0054	mg/kg		Y Y					FMSV*200					00:00
		VINYL ACETATE	.0088	mg/kg	U	N Y		UJ		05B	FMSV*200					00:00
		VINYL CHLORIDE	.0088	mg/kg	U	N Y		U			FMSV*200					00:00

Data Validation Summary Report
For Analytical Data Collected by QST Environmental, Inc. at the
Ground Scar With Small Pit North of Landfill No. 3, Parcel 155(7)
QST Site SI15
Fort McClellan, Calhoun County, Alabama

1.0 Introduction

Level III data validation was performed on 100% of the environmental samples collected by QST for Site SI15. The analytical data consisted of several SDG's, which were analyzed by QST Environmental and Savannah Laboratories (soil samples for VOC analysis). The chemical parameters for which the samples were analyzed and validated are identified below:

Parameter (Method)
Volatile Organic Compounds by SW846 8260B
Semivolatile Organic Compounds by SW846 8270C
Inorganic Compounds (TAL Metals) by SW846 6010B
Inorganic Compounds (Mercury) by SW846 7471/7470
Organochlorine Pesticides/PCBs by SW 846 8081A
Herbicides by SW 846 8151
Wet Chemistry Total Organic Carbon by SW846 9060

2.0 Procedures

The sample data were validated following the logic identified in the USEPA 540/R-94-013 *Contract Laboratory Program (CLP) National Functional Guidelines For Inorganic Data Review* (February 1994) and USEPA 540/R-99/008 *Contract Laboratory Program National Functional Guidelines For Organic Review* (October 1999) for all areas except Blanks. *Region III Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses* (April 1993) and *Region III National Functional Guidelines for Organic Data Review* (June 1992) were applied to the areas associated with blank contamination. Specific quality control (QC) criteria, as identified in the Quality Assurance Plan (QAP) and data deliverables were applied to all sample results. It should be noted where there were discrepancies in the QC criteria identified in the QAP and the data deliverables, the QC criteria identified in the data deliverables was applied. It should also be noted that the range for QC criteria was not always identified in the deliverables. The lab "flagged" the data that did not meet acceptance criteria. In these cases, the data were qualified to indicate the bias. Biased low results were estimated (qualified "J/UJ") and biased high resulted only in positive results being estimated (qualified "J").

The data validation process not only included a thorough review of the data deliverables, which resulted in validation qualifiers being applied, but also included a detailed evaluation of the

electronic results for the historical QST data which were downloaded from the “Installation Restoration Data Information Management System (IRDIMS)”. During this evaluation it was discovered that various electronic results, which were actually detected hits below the Reporting Limits (RL), were reported as non-detects. These results were changed in the database to reflect the actual concentration from the quantitation reports found in the data deliverable and qualified as estimated values below the RL. During the comparison of the hard copy and electronic data, it was also determined that non-detect reported concentrations for soil samples reported electronically were not corrected for moisture content and the hard copy used the correct moisture content to report results on an as received basis.

As the result of the use of Update III SW846 test methods for the analytical data and the application of the CLP guidelines during the validation process, there were instances where specific QC requirements for all target compounds were not defined. This primarily occurred in the organic, Gas Chromatograph (GC) and Gas Chromatograph/Mass Spectra (GC/MS) calibration areas and is due to the fact that the analytical methods are “performance-based,” and allows the use of average calibration responses, in lieu of, individual responses, which are defined by CLP protocol. In light of applying CLP guidelines to SW846 methods and evaluating the usability of the data during the validation process, specific QC criteria were determined to address all target compounds and are identified in this report for each parameter, as well as, in the validation checklists, which function as worksheets. All completed validation checklists are on file in the Knoxville office. For those analytical methods not addressed by the CLP and Region III guidelines, the validation was based on the method requirements and technical judgement, following the logic of the CLP validation guidelines.

3.0 Summary of Data Validation Findings

The overall quality of the data was determined to be acceptable. The only rejected data (“R”) qualified) were “poor performing” volatile compounds (ketones, some halogenated hydrocarbons, e.g.), which exhibited poor calibration responses in the associated calibration data, herbicide compounds which experienced low laboratory control sample recoveries, and samples that were reanalyzed and have more than one result reported. The “R” qualifier was assigned to the samples with more than one set of results to indicate that a given result should not be used to characterize a particular constituent or an analysis for a given sample.

Individual validation reports have been prepared for each parameter and the overall results of the validation findings are summarized in this report. The validation qualifier data entry verification report is included as Attachment A of the preceding IT data validation summary report. This is a complete listing of all of the analytical results and the validation qualifiers assigned for Site SI15. It also identifies the “use” column, which indicates which result to use in the event of a reanalysis. A listing of the validation qualifiers and the reason codes, along with

their definitions are also found in Attachment A. The following section highlights the key findings of the data validation for each analysis.

4.0 Analysis-Specific Data Validation Summaries

4.1 Volatile Organic Compounds by SW846 8260B

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria, with the exception of the following:

The following demonstrated RRFs below 0.1 in the ICAL and/or CCAL or Correlation Coefficient ($R^2 < 0.990$): Non-detect results were rejected (qualified 'R'); Positive results were estimated (qualified 'J'); Unless 'B' qualified due to blank contamination.

SDG Number	Sample Number	Compound	Validation Qualifier
XEMR (QST08)	15-SS01A, 15-SS01B, 15-SS02A, 15-SS02B, 15-SS03, 15-SS04	Bromomethane	R

All sample criteria for individual ICAL %RSD>30 and/or CCAL %D>20 was found to be acceptable with the exception of the following:

SDG Number	Sample Number	Compound	Validation Qualifier
XEMR (QST08)	15-SS01A, 15-SS01B, 15-SS02A, 15-SS02B, 15-SS03, 15-SS04	Vinyl Acetate	UJ

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses, trip, and method blanks was applied to all sample results. All were found to be acceptable, with the exception of the following:

SDG Number	Sample Number	Compound	Blank Contaminant	Validation Qualifier
XEMR (QST08)	15-SS01A, 15-SS01B, 15-SS02A, 15-SS02B, 15-SS03, 15-SS04	Methylene Chloride	Method/TB	B

Surrogate Recoveries

All surrogate recoveries are within acceptable QC ranges for the surrogates applied.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Internal Standards

All internal standards met QC criteria.

Field Duplicates

Original and field duplicate results were evaluated and no problems were identified.

Quantitation

Results quantified between the MDL and the RL were qualified as estimated ('J') unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected ('R').

4.2 Semivolatile Organic Compounds by SW846 8270C

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria, with the exception of the following:

The following exhibited individual ICAL %RSD>30 and/or CCAL %D>20: Non-detect results were estimated (qualified 'UJ'); Unless rejected (qualified 'R') due to ICAL/CCAL minimum RRF

criteria not met; Positive results were estimated (qualified 'J'); Unless 'B' qualified due to blank contamination.

SDG Number	Sample Number	Compound	Validation Qualifier
XEJP	15-SS01A, 15-SS02B, 15-SS03, 15-SS04, 15-SS02A	Butyl benzyl phthalate	UJ
XEJP	15-SS01B	2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 4-Nitroaniline	UJ

Blanks

The 5X/10X rule for contaminants found in the associated method blanks was applied to all sample results. All were found to be acceptable with the exception of the following:

SDG Number	Sample Number	Compound	Blank Contaminant	Validation Qualifier
XEJP	15-SS01A, 15-SS02B, 15-SS04, 15-SS02A	Bis(2-Ethylhexyl)phthalate	Method	B

Surrogate Recoveries

All surrogate recoveries were within acceptable QC ranges for the surrogates applied.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Internal Standards

All internal standards met QC criteria.

Field Duplicates

Original and field duplicate results were evaluated and no problems were identified.

Quantitation

Results quantified between the MDL and the RL were qualified as estimated ('J') unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected ('R').

4.3 Metals by SW846 6010B

Overall, the data are of good quality and are usable as reported by the laboratory. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibrations

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse, calibration, and method blanks was applied to all sample results. All were found to be acceptable.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Post Digestion Spike

Post digestion spike was performed for the project samples and all QC criteria were met.

Laboratory Control Sample (LCS)

LCS was performed for the project samples and all QC criteria were met.

Interference Check Sample (ICS)

All ICS % recoveries were acceptable. All QC criteria were met.

ICP Serial Dilutions

All QC criteria were met for the serial dilutions.

Field Duplicates

Original and field duplicate results were evaluated and all QC criteria (35% water/50% soil) were met.

Sample Quantitation

Results quantitated between the IDL and the RL were qualified as estimated ('J') unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected ('R').

4.4 Mercury by SW846 7471/7470

Overall, the data are of good quality and are usable as reported by the laboratory. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibrations

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse, calibration, and method blanks was applied to all sample results. All were found to be acceptable.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample (LCS)

LCS was performed for the project samples and all QC criteria were met.

Interference Check Sample (ICS)

All ICS % recoveries were acceptable. All QC criteria were met.

ICP Serial Dilutions

All QC criteria were met for the serial dilutions.

Field Duplicates

Original and field duplicate results were evaluated and all QC criteria (35% water/50% soil) were met.

Sample Quantitation

Results quantitated between the IDL and the RL were qualified as estimated ('J') unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected ('R').

4.5 Organochlorine Pesticides by SW846 8081A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below . Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples with the exception of the following:

SDG Number	Sample Number	Compound	Validation Qualifier
TLYE	15-SS02A	All reported Targets	UJ

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the exception of the following:

SDG Number	Sample Number	Compound	Validation Qualifier
TLTE	15-SS01A, 15-S01B, 15-SS02B, 15-SS03, 15-SS04	Endrin aldehyde, alpha-BHC, 4,4'-DDT, Endosulfan I, Endrin, gamma-BHC (Lindane)	UJ

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries are within acceptable QC ranges.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated and all QC criteria (35% water/50% soil) were met.

Quantitation

Results quantified between the MDL and the RL were qualified as estimated ('J') unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected ('R').

4.6. *Herbicides by SW846 8151*

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the noted exceptions.

- The CCAL %D > 15% was exceeded for the following:

SDG Number	Sample Number	Compound	Validation Qualifier
TLOE	15-SS01A, 15-SS02A, 15-SS03, 15-SS04	MCPP	R

Blanks

The 5X rule for contaminants found in the associated blanks was applied to all sample results.

All were found to be acceptable with the exception of the following:

SDG Number	Sample Number	Compound	Blank Contaminant	Validation Qualifier
TLOE	15-SS03	Dichloroprop	Method Blank	B

Surrogate Recoveries

All surrogate recoveries were within acceptable QC ranges with the exception of the following:

SDG Number	Sample Number	Compound	Validation Qualifier
TLOE	15-SS03	Dichloroprop, MCPA	B/J

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met with the exception of the following:

SDG Number	Sample Number	Compound	Validation Qualifier
TLOE	15-SS01A, 15-SS02A, 15-SS03, 15-SS04	MCPP	R

Field Duplicates

Original and field duplicate results were evaluated and all QC criteria (35% water/50% soil) were met.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as ('J') were qualified as estimated ('J') unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected ('R').

4.7 Wet Chemistry TOC by SW846 9060

Overall, the data are of good quality and are usable as reported by the laboratory. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated blanks was applied to all sample results. All were found to be acceptable.

Matrix Spike / Matrix Spike Duplicate

MS/MSD analysis was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

LCS was performed for the project samples and all QC criteria were met.

Field Duplicates

Original and field duplicate results were evaluated and all QC criteria (35% water/50% soil) were met.

Quantitation

Results quantified between the MDL and the RL were qualified as estimated ('J') unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected ('R').

Data Validation Summary Report
For the Reanalysis of Groundwater Sample from GSBP-155-MW01
Ground Scar with Small Pit North of Landfill No. 3, Parcel 155(7)
Fort McClellan, Calhoun County, Alabama

1.0 Introduction

Level III data validation was performed on one environmental sample collected for parcel GSBP-155. The analytical data consisted of one sample delivery group (SDG) 10155-01, which was analyzed by EMAX Laboratories. The chemical parameters for which the sample was analyzed, is identified below:

Parameter (Method)
Volatile Organics by GC/MS SW846 8260B
Semivolatile Organics by GC/MS SW846 8270C
Metals by SW846 6010B and 7471A/7470A
Nitroaromatic and Nitramine Explosives by SW846 8330
Organochlorinated Pesticides by SW846 8081A
PCBs by SW846 8082

2.0 Procedures

The sample data were validated following the logic identified in the 1994 *EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review* and the 1999 *EPA Contract Laboratory Program National Functional Guidelines for Organic Review* for all areas except blanks. *EPA Region III Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses* (April 1993) and *Region III National Functional Guidelines for Organic Data Review* (June 1992) were applied to the areas associated with blank contamination. Specific quality control (QC) criteria as identified in the quality assurance plan (QAP), analytical methods, and laboratory standard operating procedures (SOP) were applied to all sample results. As a result of the use of Update III SW846 test methods for the analytical data and the application of the Contract Laboratory Program (CLP) guidelines during the validation process, there were instances where specific QC requirements for all target compounds were not defined. This primarily occurred in the organic, gas chromatography (GC) and GC/mass spectrometry (MS) calibration areas and is due to the fact that the analytical methods are performance-based and allow the use of average calibration responses in lieu of individual responses, which are defined by CLP protocol. In light of applying CLP guidelines to SW846 methods and evaluating the usability of the data during the validation process, specific QC criteria were determined to address all target compounds and are identified in this report for each parameter, as well as in the validation checklists, which function as worksheets. All completed validation checklists are on file in the Knoxville office. For those analytical methods

not addressed by the CLP and Region III guidelines, the validation was based on the method requirements (i.e., SW846, Code of Federal Regulations, SOPs) and technical judgement, following the logic of the CLP validation guidelines.

3.0 Summary of Data Validation Findings

The overall quality of the data was determined to be acceptable with minimal qualifications. No data were rejected.

Individual validation reports have been prepared for each parameter, and the overall results of the validation findings are summarized in this report. The validation qualifier data entry verification report (Attachment A) is also provided. This is a complete listing of all of the analytical results and the validation qualifiers assigned for the site investigation at GSBP-155. It also identifies the "use" column, which indicates which result to use in the event of a reanalysis. A listing of the validation qualifiers and the reason codes, along with their definitions, is also found in Attachment A. The following section highlights the key findings of the data validation for each analysis.

4.0 Analysis-Specific Data Validation Summaries

4.1 Volatile Organics by GC/MS SW846 8260B

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

The initial calibration (ICAL) and continuing calibrations (CCAL) associated with the project samples met QC criteria, with the following exception(s):

- The following exhibited individual ICAL/CCAL relative response factor (RRF) <0.1:

SDG Number	Samples Affected	Compound(s)	Validation Qualifier
10155-01	BQ3042R	Acetone, Methylene Chloride	B

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses, trip blanks, and method blanks was applied to all sample results. All were found to be acceptable with the following exception(s):

SDG	Samples Affected	Compound(s)	Blank Contaminant	Validation Qualifier
10155-01	BQ3042R	Acetone, Methylene Chloride	Method/ER/TB	B

Surrogate Recoveries

All surrogate recoveries were within QC limits

Matrix Spike / Matrix Spike Duplicate

Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis were not performed.

Laboratory Control Sample

Laboratory Control Sample (LCS) analysis was performed for the project sample, and all QC criteria were met.

Field Duplicates

No field duplicates were collected for this parcel.

Internal Standards

All internal standards met QC criteria.

Quantitation

Results quantitated between the method detection limit (MDL) and the reporting limit (RL), which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R."

4.2 Semivolatile Organics by GC/MS SW846 8270C

Overall, the data are of good quality and are usable as reported by the laboratory. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis were not performed.

Laboratory Control Sample

LCS analysis was performed for the project sample, and all QC criteria were met.

Field Duplicates

No field duplicates were reported for this parcel.

Internal Standards

All internal standards met QC criteria.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J," were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.3 Metals by SW846 6010B/7471A/7470A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibrations

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse, calibration, and method blanks was applied to all sample results. All were acceptable with the following exception(s):

SDG	Samples Affected	Compound(s)	Blank Contaminant	Validation Qualifier
10155-01	BQ3042R	Calcium	Method/ICB/CCB/ER	B

Matrix Spike / Matrix Spike Duplicate

Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis were not performed.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Interference Check Sample

All Interference Check Sample (ICS) percent recoveries were acceptable. All QC criteria were met.

Inductively Coupled Plasma Serial Dilutions

All QC criteria were met for the serial dilutions associated with the project.

Field Duplicates

No field duplicates were reported for this parcel.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.4 Nitroaromatic and Nitramine Explosives by SW846 8330

Overall, the data are of good quality and are usable as reported by the laboratory. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinses and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis were not performed.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

No field duplicates were reported for this parcel.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.5 Organochlorine Pesticides by SW846 8081A

Overall, the data are of good quality and are usable as reported by the laboratory. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries are within QC criteria.

Matrix Spike / Matrix Spike Duplicate

Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis were not performed.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

No field duplicates were reported for this parcel.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

4.6 PCBs by SW846 8082

Overall, the data are of good quality and are usable as reported by the laboratory. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries were within QC criteria.

Matrix Spike / Matrix Spike Duplicate

Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis were not performed.

Laboratory Control Sample

LCS analysis was performed for the project samples, and all QC criteria were met.

Field Duplicates

No field duplicates were reported for this parcel.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as "J", were qualified as estimated "J" unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected "R".

ATTACHMENT A

DATA VALIDATION QUALIFIER ENTRY VERIFICATION REPORT

Validation Qualifiers

- U** Not detected. The compound/analyte was analyzed for, but not detected above the associated reporting limit.
- J** The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed.
- B** The concentration reported was detected significantly above the levels reported in the associated equipment rinse samples and/or laboratory method and trip blanks. (5X/10X Rule was applied).
- R** The reported sample results are rejected due to the following:
 1. Severe deficiencies in the supporting quality control data.
 2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data.
 3. The presence or absence of the constituent cannot be verified based on the data provided.
 4. To indicate not to use a particular result in the event of a reanalysis.
- UJ** The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the “nondetect” may be inaccurate or imprecise. The nondetect result should be estimated.

Validation Reason Code Definitions

Reason Code	Description
01	Sample received outside of 4+/-2 degrees Celsius
01A	Improper sample preservation
02	Holding time exceeded
02A	Extraction
02B	Analysis
03	Instrument performance – outside criteria
03A	BFB
03B	DFTPP
03C	DDT and/or Endrin % breakdown exceeds criteria
03D	Retention time windows
03E	Resolution
04	Initial calibration results outside specified criteria
04A	Compound mean RRF QC criteria not met
04B	Individual % RSD criteria not met
04C	Correlation coefficient >0.995
05	Continuing calibration results outside specified criteria
05A	Compound mean RRF QC criteria not met
05B	Compound % D QC criteria not met
06	Result qualified as a result of the 5x/10x blank correction
06A	Method or preparation blank
06B	ICB or CCB
06C	ER
06D	TB
06E	FB
07	Surrogate recoveries outside control limits
07A	Sample
07B	Associated method blank or LCS
08	MS/MSD/Duplicate results outside criteria
08A	MS and/or MSD recovery not within control limits (accuracy)
08B	% RPD outside acceptance criteria (precision)
09	Post digestion spike outside criteria (GFAA)
10	Internal standards outside specified control limits
10A	Recovery
10B	Retention time
11	Laboratory control sample recoveries outside specified limits
11A	Recovery
11B	% RPD (if run in duplicate)
12	Interference check standard
13	Serial dilution
14	Tentatively identified compounds
15	Quantitation
16	Multiple results available; alternate analysis preferred
17	Field duplicate RPD criteria is exceeded
18	Percent difference between original and second column exceeds QC criteria
19	Professional judgement was used to qualify the data
20	Pesticide clean-up checks
21	Target compound identification
22	Radiological calibration
23	Radiological quantitation
24	Reported result and/or lab qualifier revised to reflect validation findings

Validation Qualifier Data Entry Verification

Run Date: November 12, 2001

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:
											1	2	3	4		
10155-01																
BQ3042R	SW8081A	SW3520	N 0 .96	4,4'-DDD	.00019	mg/L	U	N Y U	U						H255-02	19:03
				4,4'-DDE	.00019	mg/L	U	N Y U	U						H255-02	19:03
				4,4'-DDT	.00019	mg/L	U	N Y U	U						H255-02	19:03
				ALDRIN	.000096	mg/L	U	N Y U	U						H255-02	19:03
				ALPHA-BHC	.000096	mg/L	U	N Y U	U						H255-02	19:03
				ALPHA-CHLORDANE	.000096	mg/L	U	N Y U	U						H255-02	19:03
				BETA-BHC	.000096	mg/L	U	N Y U	U						H255-02	19:03
				DELTA-BHC	.000096	mg/L	U	N Y U	U						H255-02	19:03
				DIELDRIN	.00019	mg/L	U	N Y U	U						H255-02	19:03
				ENDOSULFAN I	.000096	mg/L	U	N Y U	U						H255-02	19:03
				ENDOSULFAN II	.00019	mg/L	U	N Y U	U						H255-02	19:03
				ENDOSULFAN SULFATE	.00019	mg/L	U	N Y U	U						H255-02	19:03
				ENDRIN	.00019	mg/L	U	N Y U	U						H255-02	19:03
				ENDRIN ALDEHYDE	.00019	mg/L	U	N Y U	U						H255-02	19:03
				ENDRIN KETONE	.00019	mg/L	U	N Y U	U						H255-02	19:03
				GAMMA-BHC (LINDANE)	.000096	mg/L	U	N Y U	U						H255-02	19:03
				GAMMA-CHLORDANE	.000096	mg/L	U	N Y U	U						H255-02	19:03
				HEPTACHLOR	.000096	mg/L	U	N Y U	U						H255-02	19:03
				HEPTACHLOR EPOXIDE	.000096	mg/L	U	N Y U	U						H255-02	19:03
				METHOXYCHLOR	.00096	mg/L	U	N Y U	U						H255-02	19:03
				TOXAPHENE	.0029	mg/L	U	N Y U	U						H255-02	19:03
BQ3042R	SW6010B	SW3010	N 0 1	ALUMINUM	2.14	mg/L		Y Y P							H255-02	21:53
				ANTIMONY	.1	mg/L	U	N Y U	U						H255-02	21:53
				ARSENIC	.01	mg/L	U	N Y U	U						H255-02	18:14
				BARIUM	.0224	mg/L		Y Y P							H255-02	21:53
				BERYLLIUM	.001	mg/L	U	N Y U	U						H255-02	21:53
				CADMIUM	.01	mg/L	U	N Y U	U						H255-02	21:53
				CALCIUM	.482	mg/L	J	Y Y F	B	06A	06B	06C	15		H255-02	21:53
				CHROMIUM	.01	mg/L	U	N Y U	U						H255-02	21:53
				COBALT	.02	mg/L	U	N Y U	U						H255-02	21:53
				COPPER	.02	mg/L	U	N Y U	U						H255-02	21:53
				IRON	1.39	mg/L		Y Y P							H255-02	21:53
				LEAD	.01	mg/L	U	N Y U	U						H255-02	18:14
				MAGNESIUM	1.26	mg/L		Y Y P							H255-02	21:53
				MANGANESE	.0284	mg/L		Y Y P							H255-02	21:53
				NICKEL	.02	mg/L	U	N Y U	U						H255-02	21:53
				POTASSIUM	4.77	mg/L	J	Y Y P	J				15		H255-02	21:53
				SELENIUM	.01	mg/L	U	N Y U	U						H255-02	18:14
				SILVER	.01	mg/L	U	N Y U	U						H255-02	21:53
				SODIUM	1.08	mg/L		Y Y P							H255-02	21:53

Validation Qualifier Data Entry Verification

Run Date: November 12, 2001

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Sample Number:	Analytical/Extraction				Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes	1 2 3 4	Lab Sample:	Analysis Time:	
	Method:	Flt	REX	Dil:												
10155-01																
BQ3042R	SW6010B	SW3010	N 0 1	THALLIUM	.01	mg/L	U	N Y	U	U					H255-02	18:14
				VANADIUM	.01	mg/L	U	N Y	U	U					H255-02	21:53
				ZINC	.00672	mg/L	J	Y Y	P	J			15		H255-02	21:53
BQ3042R	SW7470A	TOTAL	N 0 1	MERCURY	.0005	mg/L	U	N Y	U	U					H255-02	10:11
				1,3,5-TNB	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				1,3-DNB	.0004	mg/L	U	N Y	U	U					H255-02	17:37
BQ3042R	SW8330	METHOD	N 0 1	2,4,6-TNT	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				2,4-DNT	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				2,6-DNT	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				2-AM-4,6-DNT	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				2-NITROTOLUENE	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				3-NITROTOLUENE	.0006	mg/L	U	N Y	U	U					H255-02	17:37
				4-AM-2,6-DNT	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				4-NITROTOLUENE	.0006	mg/L	U	N Y	U	U					H255-02	17:37
				HMX	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				NITROBENZENE	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				RDX	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				TETRYL	.0004	mg/L	U	N Y	U	U					H255-02	17:37
				PCB-1016	.00096	mg/L	U	N Y	U	U					H255-02	19:03
				PCB-1221	.00096	mg/L	U	N Y	U	U					H255-02	19:03
				PCB-1232	.00096	mg/L	U	N Y	U	U					H255-02	19:03
				PCB-1242	.00096	mg/L	U	N Y	U	U					H255-02	19:03
				PCB-1248	.00096	mg/L	U	N Y	U	U					H255-02	19:03
				PCB-1254	.00096	mg/L	U	N Y	U	U					H255-02	19:03
				PCB-1260	.00096	mg/L	U	N Y	U	U					H255-02	19:03
BQ3042R	SW8270C	SW3520	N 0 .99	1,2,4-TRICHLOROBENZENE	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				1,2-DICHLOROBENZENE	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				1,3-DICHLOROBENZENE	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				1,4-DICHLOROBENZENE	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				2,4,5-TRICHLOROPHENOL	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				2,4,6-TRICHLOROPHENOL	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				2,4-DICHLOROPHENOL	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				2,4-DIMETHYLPHENOL	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				2,4-DINITROPHENOL	.02	mg/L	U	N Y	U	U					H255-02	16:53
				2,4-DINITROTOLUENE	.02	mg/L	U	N Y	U	U					H255-02	16:53
				2,6-DINITROTOLUENE	.02	mg/L	U	N Y	U	U					H255-02	16:53
				2-CHLORONAPHTHALENE	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				2-CHLOROPHENOL	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				2-METHYLNAPHTHALENE	.0099	mg/L	U	N Y	U	U					H255-02	16:53
				2-METHYLPHENOL	.0099	mg/L	U	N Y	U	U					H255-02	16:53

Validation Qualifier Data Entry Verification

Run Date: November 12, 2001

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val	Val	Reason Codes				Lab Sample:	Analysis Time:
									Qlfr	Code:	1	2	3	4		
10155-01																
BQ3042R	SW8270C	SW3520	N 0 .99	2-NITROANILINE	.02	mg/L	U	N Y U U			H255-02		16:53			
				2-NITROPHENOL	.0099	mg/L	U	N Y U U			H255-02		16:53			
				3,3'-DICHLOROBENZIDINE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				3-NITROANILINE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				4,6-DINITRO-2-METHYLPHENOL	.02	mg/L	U	N Y U U			H255-02		16:53			
				4-BROMOPHENYL-PHENYL ETHER	.02	mg/L	U	N Y U U			H255-02		16:53			
				4-CHLORO-3-METHYLPHENOL	.0099	mg/L	U	N Y U U			H255-02		16:53			
				4-CHLOROANILINE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				4-CHLOROPHENYL-PHENYL ETHER	.0099	mg/L	U	N Y U U			H255-02		16:53			
				4-METHYLPHENOL	.0099	mg/L	U	N Y U U			H255-02		16:53			
				4-NITROANILINE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				4-NITROPHENOL	.0099	mg/L	U	N Y U U			H255-02		16:53			
				ACENAPHTHENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				ACENAPHTHYLENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				ANTHRACENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				BENZO(A)ANTHRACENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				BENZO(A)PYRENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				BENZO(B)FLUORANTHENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				BENZO(G,H,I)PERYLENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				BENZO(K)FLUORANTHENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				BIS(2-CHLOROETHOXY)METHANE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				BIS(2-CHLOROETHYL)ETHER	.0099	mg/L	U	N Y U U			H255-02		16:53			
				BIS(2-CHLOROISOPROPYL)ETHER	.0099	mg/L	U	N Y U U			H255-02		16:53			
				BIS(2-ETHYLHEXYL)PHTHALATE	.02	mg/L	U	N Y U U			H255-02		16:53			
				BUTYLBENZYLPHthalate	.0099	mg/L	U	N Y U U			H255-02		16:53			
				CARBAZOLE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				CHRYSENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				DI-N-BUTYLPHthalate	.0099	mg/L	U	N Y U U			H255-02		16:53			
				DI-N-OCTYLPHthalate	.0099	mg/L	U	N Y U U			H255-02		16:53			
				DIBENZO(A,H)ANTHRACENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				DIBENZOFURAN	.0099	mg/L	U	N Y U U			H255-02		16:53			
				DIETHYLPHthalate	.02	mg/L	U	N Y U U			H255-02		16:53			
				DIMETHYLPHthalate	.02	mg/L	U	N Y U U			H255-02		16:53			
				FLUORANTHENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				FLUORENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				HEXACHLOROBENZENE	.02	mg/L	U	N Y U U			H255-02		16:53			
				HEXACHLOROBUTADIENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				HEXACHLOROCYCLOPENTADIENE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				HEXACHLOROETHANE	.0099	mg/L	U	N Y U U			H255-02		16:53			
				INDENO(1,2,3-CD)PYRENE	.0099	mg/L	U	N Y U U			H255-02		16:53			

Validation Qualifier Data Entry Verification

Run Date: November 12, 2001

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Sample Number:	Analytical/Extraction Method:			Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Lab Sample:	Analysis Time:	
	1	2	3										1	2	3	4			
10155-01																			
BQ3042R	SW8270C	SW3520	N 0 .99		ISOPHORONE	.0099	mg/L	U	N Y	U	U						H255-02	16:53	
					N-NITROSO-DI-N-PROPYLAMINE	.0099	mg/L	U	N Y	U	U						H255-02	16:53	
					N-NITROSODIPHENYLAMINE	.0099	mg/L	U	N Y	U	U						H255-02	16:53	
					NAPHTHALENE	.0099	mg/L	U	N Y	U	U						H255-02	16:53	
					NITROBENZENE	.0099	mg/L	U	N Y	U	U						H255-02	16:53	
					PENTACHLOROPHENOL	.02	mg/L	U	N Y	U	U						H255-02	16:53	
					PHENANTHRENE	.02	mg/L	U	N Y	U	U						H255-02	16:53	
					PHENOL	.0099	mg/L	U	N Y	U	U						H255-02	16:53	
					PYRENE	.0099	mg/L	U	N Y	U	U						H255-02	16:53	
BQ3042R	SW8260B	SW5030	N 0 1		1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,1,1-TRICHLOROETHANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,1,2-TRICHLOROETHANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,1-DICHLOROETHANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,1-DICHLOROETHENE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,1-DICHLOROPROPENE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N Y	U	U						H255-02	06:06	
					1,2-DIBROMOETHANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,2-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,2-DICHLOROETHANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,2-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,3-DICHLOROBENZENE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,3-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					1,4-DICHLOROBENZENE	.005	mg/L	U	N Y	U	U						H255-02	06:06	
					2,2-DICHLOROPROPANE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					2-BUTANONE	.01	mg/L	U	N Y	U	U						H255-02	06:06	
					2-CHLOROTOLUENE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					2-HEXANONE	.01	mg/L	U	N Y	U	U						H255-02	06:06	
					4-CHLOROTOLUENE	.001	mg/L	U	N Y	U	U						H255-02	06:06	
					4-METHYL-2-PENTANONE	.01	mg/L	U	N Y	U	U						H255-02	06:06	
					ACETONE	.0035	mg/L	J	Y	Y	F	B		04A	05A	06C	06D	H255-02	06:06
					BENZENE	.001	mg/L	U	N Y	U	U							H255-02	06:06
					BROMOBENZENE	.001	mg/L	U	N Y	U	U							H255-02	06:06
					BROMOCHLOROMETHANE	.001	mg/L	U	N Y	U	U							H255-02	06:06
					BROMODICHLOROMETHANE	.001	mg/L	U	N Y	U	U							H255-02	06:06

Validation Qualifier Data Entry Verification

Run Date: November 12, 2001

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Sample Number:	Analytical/Extraction Method:	Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use	BCF	Val Qlfr	Val Code:	Reason Codes				Analysis Time:	
											1	2	3	4	Lab Sample:	
10155-01																
BQ3042R	SW8260B	SW5030	N 0 1	BROMOFORM	.001	mg/L	U	N Y U	U						H255-02	06:06
				BROMOMETHANE	.001	mg/L	U	N Y U	U						H255-02	06:06
				CARBON DISULFIDE	.001	mg/L	U	N Y U	U						H255-02	06:06
				CARBON TETRACHLORIDE	.001	mg/L	U	N Y U	U						H255-02	06:06
				CHLOROBENZENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				CHLOROETHANE	.001	mg/L	U	N Y U	U						H255-02	06:06
				CHLOROFORM	.001	mg/L	U	N Y U	U						H255-02	06:06
				CHLOROMETHANE	.001	mg/L	U	N Y U	U						H255-02	06:06
				CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				DIBROMOCHLOROMETHANE	.001	mg/L	U	N Y U	U						H255-02	06:06
				DIBROMOMETHANE	.001	mg/L	U	N Y U	U						H255-02	06:06
				DICHLORODIFLUOROMETHANE	.001	mg/L	U	N Y U	U						H255-02	06:06
				ETHYLBENZENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				HEXACHLOROBUTADIENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				ISOPROPYL BENZENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				M/P-XYLENES	.002	mg/L	U	N Y U	U						H255-02	06:06
				METHYLENE CHLORIDE	.00018	mg/L	JB	Y Y F	B		04A	05A	06A	06C	H255-02	06:06
				N-BUTYLBENZENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				N-PROPYLBENZENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				NAPHTHALENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				O-XYLENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				P-ISOPROPYLtoluene	.001	mg/L	U	N Y U	U						H255-02	06:06
				SEC-BUTYLBENZENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				STYRENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				TERT-BUTYLBENZENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				TETRAChLOROETHENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				TOLUENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				TRICHLOROETHENE	.001	mg/L	U	N Y U	U						H255-02	06:06
				TRICHLOROFLUOROMETHANE	.001	mg/L	U	N Y U	U						H255-02	06:06
				VINYL CHLORIDE	.001	mg/L	U	N Y U	U						H255-02	06:06

APPENDIX G

SUMMARY STATISTICS FOR BACKGROUND MEDIA, FORT McCLELLAN, ALABAMA

Table 4-12. Summary Statistics for Surface Soil (0 -1 BLS)
Fort McClellan, Alabama

Exposure Unit: SS														
Parameter	Units	Total Number of Samples	Total Number of Detects	Frequency of Detection	NonDects		Dects		Arithmetic Mean ^a	Standard Deviation ^a	95% UCL of Arith. Mean ^a	Exposure Point Concentration ^c	2x Arithmetic Mean ^a	
Aluminum	ug/g	70	70	100%	--	--	2,400	39,900	8,153.00	6,095	Lognormal	11,187	11,187	16,306
Antimony	ug/g	69	47	68%	0.082	7.1	0.11	2.6	0.99	1.3	Lognormal	3.4	2.6	# 1.99
Arsenic	ug/g	66	66	100%	--	--	0.82	49	6.86	8.0	Lognormal	13	13	13.73
Barium	ug/g	70	70	100%	--	--	11	288	61.97	54	Lognormal	99	99	123.94
Beryllium	ug/g	54	54	100%	--	--	0.062	0.87	0.40	0.22	Lognormal	0.61	0.61	0.80
Cadmium	ug/g	70	45	64%	0.016	1.2	0.024	0.21	0.14	0.16	Lognormal	0.36	0.21	# 0.29
Calcium	ug/g	70	66	94%	75	100	63	17,900	861.37	2,265	Lognormal	1,942	1,942	1,723
Chromium	ug/g	70	70	100%	--	--	2.0	134	18.52	20	Lognormal	31	31	37.04
Cobalt	ug/g	70	68	97%	1.4	1.4	0.39	71	7.57	12	Lognormal	18	18	15.15
Copper	ug/g	70	69	99%	0.50	0.50	1.3	24	6.36	4.4	Lognormal	11	11	12.71
Iron	ug/g	70	70	100%	--	--	2,510	56,300	17,076.86	11,577	Lognormal	27,000	27,000	34,154
Lead	ug/g	70	70	100%	--	--	2.9	83	20.02	15	Lognormal	33	33	40.05
Magnesium	ug/g	70	70	100%	--	--	60	9,600	516.49	1,266	Lognormal	768	768	1,033
Manganese	ug/g	70	70	100%	--	--	8.0	6,850	789.46	1,192	Lognormal	3,183	3,183	1,579
Mercury	ug/g	70	23	33%	0.023	0.050	0.031	0.32	0.04	0.046	Lognormal	0.058	0.058	0.08
Nickel	ug/g	70	56	80%	1.6	2.3	1.8	22	5.17	4.2	Lognormal	9.7	9.7	10.33
Potassium	ug/g	70	60	86%	82	116	104	6,010	399.88	946	Lognormal	607	607	799.76
Selenium	ug/g	70	1	1%	0.25	0.58	1.3	1.3	0.24	0.14	Lognormal	0.29	0.29	0.48
Silver	ug/g	70	42	60%	0.016	0.80	0.019	1.9	0.18	0.34	Lognormal	0.70	0.70	0.36
Sodium	ug/g	70	66	94%	39	39	76	563	317.14	98	Lognormal	562	562	634.28
Thallium	ug/g	68	55	81%	6.6	6.6	0.015	34	1.71	5.9	Lognormal	12	12	3.43
Vanadium	ug/g	70	70	100%	--	--	4.7	158	29.42	26	Lognormal	48	48	58.84
Zinc	ug/g	70	64	91%	4.9	11	4.6	209	20.32	26	Lognormal	35	35	40.64

^aResults of duplicate analyses were averaged and nondetects were treated as one-half the detection limit in the calculation of the arithmetic mean, standard deviation, and 95% UCL.

^bFor the calculation of exposure point concentrations (EPCs):

If fewer than four samples are available, or the standard deviation of the data set is zero, the distribution is undetermined.

If the probability plot correlation coefficient of the untransformed data is > or = to the critical value, the distribution is normal.

In all other cases, the distribution assumed for the EPC calculation was lognormal.

^cThe exposure point concentration (EPC) is the 95% upper confidence (UCL) of the arithmetic mean, unless the 95% UCL exceeds the maximum detected value.

If the latter is true, the maximum detected value is substituted as the EPC (denoted by a "#" next to the EPC).

-- Parameter detected in all samples.

**Table 4-13. Summary Statistics for Subsurface Soil (>1-10 feet BLS)
Fort McClellan, Alabama**

Run Time: 8:18:07 AM															
Run Date: 7/10/98		Total		Total											
Exposure Unit: SD	Parameter	Units	Number of Samples	Number of Detects	Frequency of Detection	NonDetects		Detects		Arithmetic Mean ^a	Standard Deviation ^a	95% UCL of Arith. Mean ^a	Exposure Point Concentration ^c	2x Arithmetic Mean ^a	
Aluminum	ug/g	64	64	100%	--	--	1,690	24,600	6,795.47	3,552	Lognormal	9,068	9,068	13,591	
Antimony	ug/g	63	46	73%	0.079	7.1	0.082	0.99	0.65	0.98	Lognormal	1.8	0.99	# 1.31	
Arsenic	ug/g	64	61	95%	0.25	0.45	0.77	38	9.15	9.7	Lognormal	36	36	18.30	
Barium	ug/g	64	64	100%	--	--	4.1	4,500	116.81	562	Lognormal	161	161	233.62	
Beryllium	ug/g	59	57	97%	0.051	0.053	0.041	2.0	0.43	0.43	Lognormal	0.94	0.94	0.86	
Cadmium	ug/g	64	35	55%	0.015	1.2	0.020	1.3	0.11	0.21	Lognormal	0.30	0.30	0.22	
Calcium	ug/g	64	44	69%	57	200	67	3,650	318.58	606	Lognormal	772	772	637.17	
Chromium	ug/g	64	64	100%	--	--	5.5	55	19.13	11	Lognormal	27	27	38.25	
Cobalt	ug/g	64	60	94%	0.23	1.4	0.26	96	8.77	16	Lognormal	34	34	17.54	
Copper	ug/g	64	64	100%	--	--	1.3	61	9.72	9.1	Lognormal	16	16	19.43	
Iron	ug/g	64	64	100%	--	--	4,840	48,000	22,408.44	10,436	Normal	24,586	24,586	44,817	
Lead	ug/g	64	64	100%	--	--	0.96	500	19.27	61	Lognormal	27	27	38.53	
Magnesium	ug/g	64	60	94%	100	200	35	5,940	383.12	885	Lognormal	638	638	766.24	
Manganese	ug/g	64	63	98%	4.1	4.1	7.3	19,000	677.67	2,417	Lognormal	3,864	3,864	1,355	
Mercury	ug/g	64	31	48%	0.022	0.050	0.022	0.12	0.03	0.025	Lognormal	0.053	0.053	0.07	
Nickel	ug/g	64	51	80%	1.6	2.2	2.2	38	6.45	7.8	Lognormal	13	13	12.89	
Potassium	ug/g	64	52	81%	75	110	98	6,150	355.37	774	Lognormal	660	660	710.74	
Selenium	ug/g	64	1	2%	0.25	0.58	0.55	0.55	0.24	0.060	Lognormal	0.27	0.27	0.47	
Silver	ug/g	64	40	63%	0.016	1.2	0.021	0.66	0.12	0.15	Lognormal	0.47	0.47	0.24	
Sodium	ug/g	64	63	98%	39	39	203	643	351.05	118	Lognormal	471	471	702.10	
Thallium	ug/g	63	55	87%	0.0090	6.6	0.0090	24	0.70	3.0	Lognormal	2.0	2.0	1.40	
Vanadium	ug/g	64	64	100%	--	--	8.7	99	32.45	20	Lognormal	47	47	64.89	
Zinc	ug/g	64	50	78%	4.0	8.0	5.6	89	17.43	17	Lognormal	39	39	34.86	

^aResults of duplicate analyses were averaged and nondetects were treated as one-half the detection limit in the calculation

of the arithmetic mean, standard deviation, and 95% UCL.

^bFor the calculation of exposure point concentrations (EPCs):

If fewer than four samples are available, or the standard deviation of the data set is zero, the distribution is undetermined.

If the probability plot correlation coefficient of the untransformed data is > or = to the critical value, the distribution is normal.

In all other cases, the distribution assumed for the EPC calculation was lognormal.

^cThe exposure point concentration (EPC) is the 95% upper confidence (UCL) of the arithmetic mean, unless the 95% UCL exceeds the maximum detected value.

If the latter is true, the maximum detected value is substituted as the EPC (denoted by a "#" next to the EPC).

-- Parameter detected in all samples.

**Table 4-9. Summary Statistics for Background Groundwater
Fort McClellan, Alabama**

Run Time: 4:50:27 PM Run Date: 7/9/98 Exposure Unit: WD														
Parameter	Units	Total Number of Samples	Total Number of Detects	Frequency of Detection	NonDetects		Detects		Arithmetic Mean ^a	Standard Deviation ^a	95% UCL of Arith. Mean ^a	Exposure Point Concentration ^c	2x Arithmetic Mean ^a	
Alkalinity-phenolphthalein	µg/L	33	2	6%	5,000	5,000	104,000	132,000	9,500.00	28.204	Lognormal	9,763	9,763	19,000
Aluminum	µg/L	57	34	60%	50	141	59	9,600	1,167.66	2,030	Lognormal	19,988	9,600	# 2,335
Antimony	µg/L	57	2	4%	0.60	10.0	0.70	0.80	1.60	1.7	Lognormal	4.4	0.80	# 3.191
Arsenic	µg/L	57	10	18%	1.1	2.5	1.5	224	8.88	41	Lognormal	6.1	6.1	17.764
Barium	µg/L	57	53	93%	6.5	18	5.5	401	63.73	88	Lognormal	144	144	127.458
Beryllium	µg/L	57	15	26%	0.20	5.0	0.20	2.4	0.62	0.74	Lognormal	1.8	1.8	1.247
Bicarbonate	µg/L	33	22	67%	5,000	172,000	9,000	392,000	100,818.18	93.836	Lognormal	831,264	392,000	# 201,636
Bromide	µg/L	33	4	12%	200	200	278	715	138.03	121	Lognormal	171	171	276.06
Cadmium	µg/L	57	22	39%	0.100	5.0	0.100	5.3	1.26	1.2	Lognormal	10	5.3	# 2.51
Calcium	µg/L	57	48	84%	231	33,900	217	452,000	28,246.44	60,264	Lognormal	580,060	452,000	# 56,493
Chloride	µg/L	33	24	73%	923	2,640	1,080	11,000	2,446.06	2,363	Lognormal	4,347	4,347	4,892
Cobalt	µg/L	57	3	5%	20	25	20	25	11.68	2.8	Lognormal	13	13	23.36
Copper	µg/L	57	10	18%	5.0	19	5.3	235	12.74	32	Lognormal	21	21	25.48
Fluoride	µg/L	33	6	18%	200	200	202	646	146.24	124	Lognormal	185	185	292.48
Iron	µg/L	57	44	77%	45	78	2.5	25,800	3,520.25	5,364	Lognormal	590,286	25,800	# 7,040
Lead	µg/L	57	25	44%	0.60	4.5	0.60	27	4.00	6.1	Lognormal	13	13	7,998
Magnesium	µg/L	57	47	82%	100	18,400	176	149,000	10,640.88	19,972	Lognormal	146,372	146,372	21,282
Manganese	µg/L	57	42	74%	5.0	9.7	8.8	5,820	290.25	809	Lognormal	7,221	5,820	# 580.5
Nitrate,Nitrite	µg/L	33	4	12%	10.0	1,110	430	771	141.26	219	Lognormal	1,192	771	# 282.5
Potassium	µg/L	57	43	75%	270	1,240	1.0	68,500	3,597.54	9,508	Lognormal	18,602	18,602	7,195
Silver	µg/L	57	1	2%	0.100	10.0	0.40	0.40	2.00	2.4	Lognormal	141	0.40	# 4.00
Sodium	µg/L	57	52	91%	892	1,180	555	64,700	7,423.18	11,765	Lognormal	23,173	23,173	14,846
Sulfate	µg/L	33	25	78%	1000	3,680	1,650	1.4E+06	51,628.33	242,827	Lognormal	88,195	88,195	103,257
Thallium	µg/L	54	7	13%	0.100	10.0	0.100	5.3	0.73	1.2	Lognormal	5.3	5.3	1.455
Total Alkalinity	µg/L	33	22	67%	5,000	172,000	9,000	392,000	103,424.24	93.707	Lognormal	860,230	392,000	# 206,848
Total Phosphorous	µg/L	33	21	64%	10.0	10.0	10.0	282	44.30	70	Lognormal	140	140	88,594
Vanadium	µg/L	57	2	4%	10.0	28	11	11	8.49	4.3	Lognormal	11	11	16,975
Zinc	µg/L	57	25	44%	18	30	22	1,160	109.98	249	Lognormal	273	273	219.97

*Results of duplicate analyses were averaged and nondetects were treated as one-half the detection limit in the calculation of the arithmetic mean, standard deviation, and 95% UCL.

^bFor the calculation of exposure point concentrations (EPCs):

If fewer than four samples are available, or the standard deviation of the data set is zero, the distribution is undetermined.

If the probability plot correlation coefficient of the untransformed data is > or = to the critical value, the distribution is normal.

In all other cases, the distribution assumed for the EPC calculation was lognormal.

^cThe exposure point concentration (EPC) is the 95% upper confidence (UCL) of the arithmetic mean, unless the 95% UCL exceeds the maximum detected value.

If the latter is true, the maximum detected value is substituted as the EPC (denoted by a "#" next to the EPC).

-- Parameter detected in all samples.